

EASTERN TV-DX

Bob Bent 1835 Fruit Street Huntington IN 46750

MARCH 1988

5 Tr 1030	WCLM-68 OH 140	9 Tr 0730 WYMT-57 KY 270	9 Tr 0930 WAAY-31 AL 425
Mansfield	0800 WKHA-35 KY 270	0940 WCAY-30 TN 340	
1102 W54-2 OH 120			

Bucyrus (an LPTV that does no local IDs...was able to ID thru local ads)

At the end of March, I replaced the pre-amplifier on my 6' parabolic, upgrading to a Winegard PA-4975. There is a noticeable improvement on some marginal signals in the 70-100 mile range. I'm waiting to see what it will do with a good tropo opening. This is a rather expensive unit, and perhaps a word of caution is in order. I get a bit of overload when I turn the antenna in the direction of my nearest locals (about 22 miles), so the PA-4975 may not be the best choice for DXers living in a city with UHF locals. (That sort of overload is normal for most pre-amps, though some are more prone to it than others--jfc)

I'm gonna try to make it to the WFDRA convention this year; haven't been to one since '78. Hope to see a good turnout. (Me, too!--jfc)

WMDO-TV 47 WEKO-TV 3

KMID-TV 2 ABC MIDLAND • ODESSA

John F. Combs (N4SFS), 1308 Willow Branch #24, Jacksonville FL 32205

APRIL 1988

		APRIL 1988	
5 Tr 2345	WLTX-19 SC 267	17 Tr 0533	WFTX-36 FL 242
2345	WHMC-23 ? SC T	0554	WJKA-26 NC 334
2345 unIDs-27,43	CCI	0554	WOLO-25 ? SC T
6 Tr 0600	WHNS-21 NC 341	2220	WLTX-19 SC 267
0600 WHMC-23 SC 293	18 Tr 0338	0824	WXTX-54 GA 239
0600 WACS-25 GA 202	WLTZ-38 GA 239	0833	WNOL & WYAH both
0600 WRJA-27 SC 260	0135 WFTX-36 FL 242		strong--VA and
0600 WATL-36 GA 286	0139 WBBH-20 FL 240		LA at same time!
0600 WNEH-38 SC 282	0730 WRJA-27 SC 260	0843	WGNO-26 ? LA T
0601 WAXA-40 SC 301	0730 WJKA-26 NC 334	0848	WEIQ-42 AL 368
0601 WGXA-24 GA 201	0731 WOLO-25 SC 262	0854	WACS-25 GA 202
0601 WMGT-41 GA 201	0732 WHMC-23 SC 293	0857	WSRE-23 FL 329
0603 WLTX-19 SC 267	0732 WCES-20 GA 206	2143	WSRE-23, WEIQ-42
0603 WOLO-25 SC 262	0732 WLTX-19 SC 267	0540	WLTX-19 SC 267
0606 WJHG-7 FL 221	0732 WGSE-43 SC 295	0540	WHNS-21 NC 341
0607 WXIA-11 GA 283	0733 WUNP-36 NC 469	0540	WATL-36 GA 286
0609 WVEU-69 GA 285	0752 WUNK-25 NC 432	0540	WMGT-41 GA 201
0609 WRET-49 SC 316	0756 WRLK-35 SC 267	0551	unIDs-26 3/4 CB
0624 WRLK-35 SC 267	0800 WUNJ-39 NC 334	0605	unID-15
0624 WLTZ-38 ? GA T	0825 WLTZ-38 GA 239	0800	WCOW-20 AL 304
0625 WXTX-54 ? GA T	0825 WXTX-54 GA 239	0800	WMPV-21 AL 348
0630 Had to leave...	0829 WGIQ-43 AL 241	0800	unID-42 not WEIQ
	0842 WACS-25 GA 202	0802	WMAH-19 MS 431
14 Tr 0850 WBHS-50 FL 175	20 Es 1602 unID-2 weak		(State #28)
+ other Tampa U's strong	21 Tr 0800 SC 19,23,25,35	0809	WLHT-22 ? MS T
0853 unID-51 ID 3/4 CB	0805 WUNK-25 NC 432		(CBS briefly mix
under WOGX	0805 WJKA-26 NC 334		w/WJCL and WCLF)
0854 WHEL-42 FL 272	0805 WLTZ-38 GA 239	0810	WSRE-23 FL 329
15 Tr 0552 WJKA-26 NC 334	0805 WNOL-38 LA 491	0817	unID-23 cartoons
0553+ unIDs-25,27,40	0807 WUNJ-39 NC 334	0820	WXXV-25 MS 437
16 Tr 0600 WTVX-34 FL 234	0807 unID-39z CCI for	0825	WEUV-26 FL 267
0600 W29AB FL 77	awhile, never	0832	WEIQ-42 AL 368
17 Tr 0530 WLTX-19 SC 267	broke through...	0832	WGIQ-43 AL 241
0531 WBBH-20 FL 240	0807 WGSE-43 SC 295	27 Tr 2140	WRJA-27 SC 260
0532 WEVU-26 FL 267	0811 WUNP-36 NC 469	2140	WJKA-26 NC 334

EQUIPMENT: (for UHF) 4-bay antenna and EU-4S pre-amp in second-floor apartment.

TOTALS: 231 stations

April brought some of the best tropo I've seen since coming to Jacksonville. The 21st and 22nd in particular were great. I know some trans-Gulf stuff was around because twice during the month Houston-area hams were hitting the Orange Park FL 2-meter repeater, but I never was able to note any TX on the TV. I suspect, however, that the unID-39 that was zero-beating WUNJ on the 22nd may have been Houston; it's the only one within the realm of possibility that matches the offset. Some of the other unIDs (like the 23 that was running cartoons in EE and was a commercial stn, ruling out WHMC, WSRE, and WLTV) may have been TX also. Guess I'll never know!

WMGT-TV 4

P.O. Box 4328 Macon, GA 31213
745-4141

YET ANOTHER "WHERE'S THAT TRANSMITTER" UPDATE!

Fred McCormick supplied me with a few more stations with the city of license in one state and the transmitter in another: KYMA-11 AZ (CA), KVRR-15 ND (MN), WLAX-25 WI (MN), and WPWR-50 IN (IL). Add these (and WTG-61, mentioned in a previous correction) to the master list previously published in TV-CCI AIDS and you should have the definitive list. (I know, I know...this update should have appeared in TV-CCI AIDS, too. However, I had already done that column and it just filled a page and, well, see, I had the space here to fill, and I thought I would use it to make the page come out neat and pretty. So there.)

SO HOW LONG HAS IT BEEN since you've sent a DX report? This column, and the club, depend on your support. Let us know what you've been seeing! It's been real....JOHN

JUNE 1988

APRIL 1988

9 Tr 0730 WYMT-57 KY 270

9 Tr 0930 WAAY-31 AL 425

0940 WCAY-30 TN 340

WEATHERADIO CANADA
RADIOMÉTÉO-CANADA

VHF FM

by William R. Hepburn

WEATHERADIO CANADA is the Canadian equivalent of NOAA Weather Radio. This article updates my original listing in the Oct. 1979 VUD. Back then, I was in high school... now I work for Environment Canada (our version of NOAA) and am one of the 'voices' on station XHJ-225 Toronto.

Weatheradio Canada is operated by the federal gov't by AES (Atmospheric Environment Service -- our version of the NWS). The service began on Jan. 24, 1977 when the Vancouver station fired up its transmitter. By 1979, a province-wide network was already operating in Nova Scotia with plans for more networks. Unfortunately, the early 80's brought with it funding problems -- so the network has been slow to expand. The Atlantic Provinces do have a large number of repeaters thanks to additional funding from provincial government ministries.

Plans are currently under way for more main stations in Ontario... while Alberta is studying proposals for a complete repeater network.

Powers listed are ERP in watts. 'd' indicates a highly directional antenna. '*' indicates a CP or future proposal.

Repeaters are listed under their parent station.

WEATHERADIO CANADA

Call Freq Power Location

CFA-240	162.4	200	VICTORIA/VANCOUVER BC
*XLA-852	162.55	45d	MATSQUI BC
CBPZ	AM-1260	5	SIDNEY BC

XLF-339 162.4 50 CALGARY AB

XLM-572 162.4 125 EDMONTON AB

XLF-322 162.55 112 SASKATOON SK

XLM-537 162.55 118 REGINA SK

XLM-538 162.55 182d WINNIPEG MB

XLF-471 162.4 195 RIVERTON MB

* - - - THUNDER BAY ON

* - - - SAULT STE. MARIE ON

* - - - SUDBURY ON

* - - - WINDSOR ON

XMJ-225 162.475 100 TORONTO ON

XMJ-316 162.4 100 COLLINGWOOD ON

Call	Freq	Power	Location
XLJ-696	162.4	100	OTTAWA ON <PQ> [EE/FF]
XLM-300	162.55	100	MONTRÉAL PQ [FF/EE]
XLM-369	162.55	214	QUÉBEC PQ [FF]
XLM-466	162.55	-	MONCTON NB [EE/FF]
XLM-466	162.4	-	BATHURST NB
XLM-466	162.55	-	DALHOUSIE NB
XLM-466	162.475	-	FREDERICTON NB
XLM-466	162.4	-	GRAND FALLS/GRAND-SAULT NB
XLM-466	162.55	-	MILLVILLE NB
XLM-466	162.475	-	SAINT JOHN NB
XLM-466	162.4	-	SCOTCH HILL NB
XLM-466	162.475	-	O'LEARY PE
XLM-466	162.4	-	ILES-DE-LA-MADELEINE PQ
XLK-473	162.55	100	HALIFAX NS
XLK-473	162.4	110	ANTIGONISH NS
XLK-473	162.55	126	BAY ST. LAWRENCE NS
XLK-473	162.475	91	BEN EDIN NS
XLK-473	162.4	126	BRIDGEWAIER NS
XLK-473	162.475	79	CHETIACAMP NS
XLK-473	162.55	112	KENTVILLE NS
XLK-473	162.55	89	NEW TUSKEE NS
XLK-473	162.55	100	RIVER DENYS NS
#VCO	161.775	251	SABLE ISLAND NS
XLK-473	162.55	95	SHELBOURNE NS
XLK-473	162.4	123	SYDNEY NS
XLK-473	162.4	110	TRURO NS
XLK-473	162.475	812	YARMOUTH NS
XLK-473	162.4	100	BEAR RIVER PE
XLK-473	162.4	-	CHARLOTTETOWN PE
# shared part-time repeater -			
also relays VCO 161.65 SYDNEY NS			
(Sydney Coast Guard Radio cont marine bcst)			
XLM-616	162.4	90	GANDER NF
XLM-616	162.4	-	BRENT'S COUE NF
XLM-616	162.55	-	CHANNEL-PORT AUX BASQUES NF
XLM-616	162.55	-	CONCHE NF
XLM-616	162.55	-	CORNER BROOK NF
XLM-616	162.4	-	DEER LAKE/BIRCHY NF
XLM-616	162.55	-	GRAND FALLS NF
XLM-616	162.55	-	HERMITAGE-SANDVILLE NF
XLM-616	162.4	-	MARYSTOWN NF
XLM-616	162.55	-	MOUNT ST. MARGARET NF
XLM-616	162.55	-	PORT REXION NF
XLM-616	162.4	-	PORTLAND CREEK NF
XLM-616	162.4	-	ST. ANTHONY NF
XLM-616	162.4	-	SI. JOHN'S NF
XLM-616	162.4	-	STEPHENVILLE NF
XLM-616	162.55	-	TREPASSEY NF

The Canadian Coast Guard uses some of the wx frequencies of 162.4 & 162.55 on the Pacific Coast for its weather broadcasts due to congestion of the main frequency of 161.65 MHz.

These stations, as well as others on 161.65, 161.775, 161.85 and 161.9 MHz, the U.S. Coast Guard on 157.1 MHz and commercial marine stations on various freqs. will be detailed in coming articles that will update my Sep. 78 and Mar. 81 listings.

Hope you can DX a few of these stations. By the way, our station in Toronto gives a fuller detailed ID between the hours of 12 and 1 am. 73s.

Bill

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WESTERN TV-DX

Fred McCormack
Box 5221
State University Station
Fargo, ND 58105

June 1988

Deadline: 7-7-88

An unbelievably dry DX period is apparent. I still have hardly enough reports to get a column together, but I want to get up to date. Reports of DX loggings not prior to April 1 and received by the above deadline will be used in the August Western TV-DX column. Let's have lots of input. The absence of some of the high volume reporters from this column is quite noticeable. What's happening?

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CST/CDT

January 1988	13 tr 2011	WSEE	35 PA	405	31 tr 2145	WCET	48 OH	400
27 tr 2059	WCET	48 OH	400	19 tr 2101	WXIX	19 KY	400	
28 tr 0730	WOSU	34 OH	395		WCET	48 OH	400	April 1988
	WGRB	34 KY		27 tr 1833	WPTT	22 PA	480	5 tr 0635
								WUSI 16 IL 402
								WKPC 15 KY 437
								March 1988
								5 tr 2020
								WCET 48 OH 400
								2 tr 2022
								WXIX 19 KY 400
								31 tr 0520
								WKBS 47 PA
								WPGH 53 PA 480
								May 1988
								2030 WKSO 29 KY 538
								WPTT 22 PA 480
								1 Es 1720 unids chs 2, 3
								2034 WGRB 29 KY 589
								0530 WNEO 45 OH 405
								1730 WSJK 2 TN 600
								Youngstown UHF's
								chs 21,27,33 420
								WRC8t 3 TN

No E skip seen in April at all, but May got off on the right foot with E skip, and not only that; I saw the lone hold out on channel 2 east of the Mississippi River in the United States. The opening didn't get above channel 3. Tropo activity has left a lot to be desired lately, but maybe that's good because I don't have much time now anyway.

That's all for now. 73's, Bill

(Nice going with cleaning up the eastern channel 2's! fm)

William Eckberg, RR #4, Dixon, IL 61201

CST

January 1988	February 1988	28 tr 2230	KOCR	28 IA	116			
13 tr 2200	WYIN	56 IN	106	19 tr 0445	WMCC	23 IN	209	March 1988
					0630	WLAX	25 WI	169
								26 ms 0515
								KDFW 4 TX 738

John M. Jefferson, 4016 Crest Court, Pleasanton, CA 94566

PST

January 15 wasn't the major event December 14 was, but it wasn't trivial. Interestingly, it was into two of the three areas noted December 14, but in reverse order!

January 15, 1988 Es	January 16, 1988 Es
0800 KMID 2 TX 1175	1033 unid 2 (MUF channel 2)
0800 MUF to 95.5 into Coahuila	
0851 XHBS 4 SN 1150	
0922 MUF to 100.1 into Sinaloa	

Well, that's it for now. Hope there's more doing where you are than there is here! Can't blame work, either; I've been home since January 24 (written March 5 - fm) with a broken ankle (from helping a friend put up an FM antenna; I only dropped four feet, but what a landing!), so have all kinds of time.

Yours truly, John

(I trust your ankle is healed now. It's sound like it was rough. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58105

CST

Dismal DX conditions here too. Only a few tropo loggings since my last report. Two new stations have been added to my log book. One was a K32AP at Windsor, North Dakota (93 miles), new on the air on channel 32. It is presently operating as a translator of local KVRR-15. On April 4 at 2323, I logged new on the air KAWB-22 at Brainerd, Minnesota (114 miles). KAWB is a satellite of KAWE-9, Bemidji. No E skip yet, but no doubt soon?

Best of DX.

AN OPEN LETTER TO ERIC BUENEMAN

AND THE MEMBERSHIP OF WTFDA

by Robert Grant

In recent months, the **FCC FM NEWS** column in the **VUD** has been the scene of discussion between Eric Bueneman and I concerning the future of radio broadcasting and my proposed system known as Medium Frequency FM. One important concern was the issue of the use of "dial-settings" from 108.1-131.3 for Medium Frequency FM to distinguish it from AM radio. These dial settings are independent of the frequencies used by MFFM and in fact MFFM uses no new spectrum not already used in the transmission of an AM signal. Eric argued that even though the frequencies from 108MHz through 132MHz are not intruded upon by MFFM, the use of "dial-settings" (channels) 108-132 was unfeasible because of "confusion with the VHF aviation band".

The comments on page 20 of the May, 1988 **VUD**, however, demanded this special attention. His statement "...A majority of American radio listeners have at least heard of the...VHF aviation band..." is highly suspect. While it is obvious to nearly anybody that airplane pilots communicate with control and with one another via radio, only a large minority of the lay public would likely know that VHF frequencies are used for this purpose (as are HF and UHF frequencies). I would be "willing to bet money" that less than ten percent of the public (and this is the important part), if asked, could identify the VHF aviation band with any particular set of frequencies, as Eric seems to suggest. The use of actual frequencies (540-1700) as dial settings for MFFM is entirely unsuitable because this would produce confusion between AM and MFFM. The suggestion that "... the FCC would be flooded with complaints from the (FAA) and members of the Air Line Pilots Association, as well as licensed pilots.." is not realistic either. I consider it to be an insult to the intelligence of our nation's trained pilots. They could simply be notified that their frequencies would not be used by MFFM or any other service. Also important to mention here is the fact that air communication frequencies are generally referred to as channels, not full frequencies (e.g.: 127.255). Thus, pilots would not be concerned with the use of "dial-settings" by MFFM stations, for they can understand the difference between frequencies and channels/dial-settings.

With regard to I suggesting that "...AM be eliminated...", nothing could be further from the truth. MFFM is FULLY COMPATIBLE with all AM receivers. AM receivers would still receive the AM signal, with typical AM performance. MFFM merely gives AM broadcasters a chance to survive by allowing them to send an FM simulcast within the confines of their AM signal spectrum. As for the FCC's "hands-off" policy being

June, 1988.

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against AM radio by halting the progress of the Motorola C-QUAM AM stereo system, if the FCC had adopted a "hands-off" policy with regard to AM stereo in the first place, there would be a Kahn ISB decoder in virtually every stereo made today, as well as those made fifteen to twenty years ago. A "hands-on" policy today, to choose between two thirty-year-old technologies, would be irresponsible. MFFM makes both C-QUAM^E and ISB obsolete.

What prompted this open letter, however, was Eric Bueneman's article on page 36 of the May **VUD**, proposing to reallocate 2300-2500kHz and 3200-3400kHz to domestic AM broadcasting. This idea reminded me of when I was eight years old, and wrote local TV station WKBD, channel 50, begging them to change to channel 6 because I didn't get a good, strong picture on VHF. (they were on UHF because WJIM [now WLNS] in Lansing, MI., channel 6, is only about 65 miles from WKBD. That's too close, trust me.) This reallocation idea is very well intended, but it has so many technical problems that it is truly unworkable.

The first problem is assuming that the frequencies in question are simply not in use (the same problem I had in proposing WKBD-ch6). I know that much of 2000-2700 kHz has been used for maritime SSB, and a listening in to 3000-3500 reveals many machine and CW signals highly suggestive of maritime mobile. If these bands were to be reallocated to broadcasting, they would not be effective in the manner that Eric suggested. By far most of the channels would be regional channels. Regional channels are extremely inefficient at these frequencies for many of the same reasons regional channels are inefficient above 1000 kHz. As one increases frequency (in this case, from 500-10000 kHz.), groundwave coverage is reduced as skywave signal strength is increased. The regional stations on a given channel above 1000 kHz need to tighten their patterns to protect other stations at night, and their own groundwave signals cover short distances. A typical regional channel above 1000 kHz has a few dominant stations with good groundwave service at night to about 30 miles in the major lobes of their patterns, a few weaker night stations, sometimes with coverages greatly reduced by interference, and a very large number of daytimers. To illustrate my point, look up the nighttime lists for 550 kHz, and the nighttime list for 1270 kHz, and then consider that the coverage for each station on 1270 is only about one-sixth the area of each station on 550! WXYT, Detroit, is one of the dominant stations on 1270, and their night signal is not much better than that of WQBH, a local station that shares its channel at night with over 100 omnidirectional stations. At 2 or 3 megahertz, the groundwave coverage gets even smaller, and the skywave interference becomes even stronger. It would be even harder to protect other stations, and even in the major lobe such a "90-meter regional" would not cover as much distance as a local station on 1490 kHz.

Add to all this, what happens to a signal at HF in the sky after it leaves the directional antenna. At 3 MHz, the nighttime ionosphere can bend the signal several times before returning it back to earth. the result: some of the signal will be bent "sideways", so a station with an antenna null to the east would still have a signal beamed eastward of the ion cloud. Some energy will be bent BACK IN THE SAME DIRECTION FROM WHENCE IT CAME! At high frequencies, a directional station produces a considerable amount of omnidirectional interference. Local channels would be more efficient, but would have a night coverage of about 2-3 miles! (not much worse than the regionals!). If the 90 and 120-meter bands were to be used for broadcasting, it would have to be with CLEAR channels. During the day, some channels could be used for very-low-power work (college stations, etc.), skywave signals would still be ruined by fading, and international protection would be more difficult than on AM. What would be very unwise would be to carry over the practice of 10 kHz channel spacing. 15 kHz spacing would give virtually as much ACI protection as 20 kHz, and if more channels were needed, 7½ kHz spacing would not be much more ACI prone than 10. Due to the characteristics of sound and hearing, spacing schemes based on $(5[2^n])$ kHz ($n=0,1,2,\dots$) are inferior to schemes based on $(7.5[2^n])$ kHz when AM or AM-width FM is used. The only reason to use 10 kHz spacing on the AM (or MFFM) band is that we are stuck with it. If this clear channel 90/120m scheme were to be activated, MFFM transmission mode should be used. But these are not good frequencies for broadcasting. It would be hard to sell receivers and broadcasting equipment for two bands only 21 channels wide each. And SSB longwave would give far superior performance (IDEA: SSB longwave for car and portable reception in rural areas, and satellites for homes in rural areas.)

SSB longwave would use 148-248 kHz (used by broadcasters in Europe and Asia and falling into obsolescence for beacons over here), for groundwave broadcasting out to several hundred miles day and night. Stations every 4 kHz (and divisible by 4 kHz), would transmit upper-sideband-suppressed carrier audio with a low-pass filter at 3750 Hz. No carrier, no carrier interference and no carrier fading. The low frequencies make SSB feasible for consumer crystal-controlled receivers, no "donald-duck-effect". The 248 kHz upper limit refers to the width of the last channel, 244. SSB does not inherently sound like the tinny, distorted SSB we hear in CB and amateur radio, but rather like a good narrow AM receiver or a non-hi-fi VCR's linear audio track in the VHS ELP/Beta III mode.

MFFM offers a new future for AM broadcasters and radio listeners. It is a technical improvement and a marketplace appeal improvement. Soon part-15 station QFML (Quality FM Longwave) may be broadcasting on 180 kHz with an MFFM-type combined modulation signal.

MEDIUM FREQUENCY FM, P.O. BOX 249043, DETROIT, MI 48224. Thank You.

SOUTHERN FM DX

JUNE 1988

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

For FM DX reporters from AL, AR, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, MO, NC, NM, NV, OK, SC, TN, TX, UT, WV & WV. Report today!

A HANDS ON LOOK AT THE NEW ONKYO T9090II TUNER:

Tuner talk in Southern FM heats up again this month. Eric Fader of Peekskill, NY recently got to test tune Onkyo's new T9090II and compared it side by side to his original T9090. He kindly submitted these comments to SFM:

"On April 22, Paul Mount drove up from NJ to my house with his new T9090II(\$425 on sale, as a "floor model" from some store in NJ). We hooked the T9090 and the T9090II to the same antenna, with similiar connections, and later reversed them all to make sure things were equal. The T9090II is very slightly more selective. There were only a couple of cases where it mattered at all because I have one 105-120 db local and no others over 60 db when peaked. So, for me, there would be no great improvement with respect to adjacent channels. If you've seen the T9090II specs., you've noticed that the "80 db adj. channel" spec.is for ±300 kHz, not ±200 kHz. I'd estimate the T9090II adjacent selectivity at 200 kHz to be less than 5 db higher than the T9090's--maybe 43 for the II vs. 38 for the original, or something like that. The ±300 kHz figure doesn't help a DXer(or anyone, I wouldn't think) very much. And--surprise-- the T9090 is very noticeably quieter. Not by much, but consistently, up and down the dial, for any weak station. So a weak station(i.e. less than 15-20 db) next to a strong local would be heard with less "slop" and "crash", but more "fuzz", stereo or not, on the T-9090II.

I found the T-9090 much more "user friendly", with larger buttons and a more attractive layout. The T-9090II does have a remote control and some improved features, like different LED's for frequency readout, tuning level and digital db readout, although one still has to hit a button to get these to appear. The II's new analog-scale LED db readout is not really much help. One quirk noted is that the T9090II's db levels "ran higher" by about 5-10 db over much of the band compared to the T9090's. Signals were identical in strength and sound. But the numbers were different. There was virtually no difference at over 50 db signal strength, however.

Our conclusions: Anyone who has a choice(and T9090's may not be too available any more) should choose a T9090, if they're not too troubled by real locals(over 60 db or so). Anyone in close proximity to locals, such as Paul in NJ, or the DC guys, might welcome the T9090II as a slight but noticeable improvement in adj. selectivity over the T9090. One more note, my ad in the VUD selling the Onkyo T9090 was in case I decided I wanted a T9090II. But I don't now.

On a different matter Eric related,"Regarding the"unnamed DXers" under Gus Mancuso's report(May), I can't believe that 252 stations in 10 years from East Brunswick, NJ is representative of what the average DXer with average equipment would get from there. Unless it's someone who never stayed up late during tropes, never caught the NY/Phila. locals off, never heard Es, etc. And there shouldn't be much difference between 50 and 65 miles from NY--between 5 and 15, yes, but not 50 and 65. (I agree with your comments, but I suspect we need to better respect the fact that each DXer is an individual who must DX under a different set of circumstances who may have different attitudes regarding the hobby. As long as the DXer is enjoying himself and following guidelines when contributing to the VUD, then perhaps that's good enough. DE)

MEANWHILE, ANOTHER T9090 OWNER CLEANS UP ON LONG HAUL TROP!

Keith L. Fugh, 227 Martin St., New Hope, AL 35760	
Equip't: Onkyo T9090, Stereo Probe 9 at 30°.	
4/8 tr	4/22 tr
1227 WFSR 90.7 IN Evansville, ID (station #1009)	240 0049 WBSN 89.1 LA New Orleans, g, ID 388
1301 WBNH 98.3 IN Evansville, ID	0108 WHSY 104.9 MS Hattiesburg, ads, Y-104
1321 WRAY 98.1 IN Princeton, r, ads, ID	0121 WCKW 92.3 LA Laplace, rp, ID
4/9 tr	0135 WBST 102.3 MS Ellisville, k, ID
1136 WJRK 106.3 GA Donaisenville, ID	0136 WSLY 99.3 AL York,s,ads, Y-99
4/15 tr	0148 KLOL 101.1 TX Houston, rp, ID 620
1020 WQJM 100.9 GA West Point, k, \$	0150 KYKX 105.7 TX Longview, ID
ns	0200 KHOM 104.1 LA Houma, ID
1027 WBNC 100.9 OH Bryan	0209 WHCB 105.7 TX Houston, g, ID cont.....

SOUTHERN FM DX

Push, cont.

JUNE 1988

4/22 tr		4/22 tr	
0221 <u>WBK</u> 104.1 TX Houston, r, 1D,33 ub	0934 WJL 93.1 FL Miami, c, ID	709	
0221 <u>WFK</u> 97.9 TX Houston, r, ID	0944 WNT 94.9 FL Tallahassee, TNT Country		
0229 <u>KHT</u> 96.5 TX Houston, r, ID	0945 WUV 103.3 FL Bradenton, b, ID	540	
0237 <u>HLA</u> 99.5 LA Lake Charles, LA 99, rm	0952 <u>WCLT</u> 95.7 FL Clearwater, r, W-Lite	500	
0349 <u>KPLX</u> 99.5 TX Fort Worth, k, h-plex	1000 <u>WOSI</u> 105.3 GA Quitman, ID		
0412 <u>WZP</u> 93.5 MS Bay Springs, La-Flock	1012 <u>WJL</u> 101.7 FL Quincy, s, ads, Power Stat.		
0823 <u>WUSA</u> 100.7 FL Tampa, r, A-101	1014 <u>WHEW</u> 101.9 FL Fort Myers, k, ID		
0845 <u>WJS</u> 88.1 FL Bradenton, ID	1018 <u>WLHC</u> 104.9 FL Havana, ID		
0850 <u>WNF</u> 88.5 FL Tampa, J, ID	1020 <u>WCIE</u> 91.1 FL Lakeland, ID	518	
0852 <u>WLWU</u> 106.3 FL Holiday, ID	1032 <u>WGUL</u> 105.5 FL New Port Richey, ID		
0858 <u>WEVM</u> 90.5 FL Tampa, ID	2322 <u>KAJA</u> 97.3 TX San Antonio, k, K-97FM		
0859 <u>WJFT</u> 88.3 GA Jessup, g, S	2355 <u>WFNC</u> 91.5 TN Henderson, s/off, p		
0917 <u>WZX</u> 94.3 AL Greenville, ads, q94	4/23 tr		
0927 <u>WAV</u> 101.1 FL Marco, r, Wave 101	0002 <u>KRUC</u> 107.5 TX San Antonio, k, ID	765	
0928 <u>WRBQ</u> 104.7 FL Tampa, q105	0019 <u>KFMK</u> 97.9 TX Houston, 98-FM, ID		
0929 <u>WKES</u> 101.5 FL St. Petersburg, g, ID 518	0022 <u>KGCB</u> 105.7 TX Spanish		
0932 <u>WQBA</u> 107.5 FL Miami, Super Q, in SS	On May 1st saw ch 2 Es, KMID		

Greg Coniglio, North Myrtle Beach, SC

DX vacation equipment: JVC RC-W44 Boombox or Sharp WQ-272 Boombox

From Charlotte, NC:

4/1 tr		4/3 tr	
2137 <u>WQUT</u> 101.5 TN Johnson City, rp	118	0850 <u>WMIT</u> 106.9 NC Black Mountain, g	245
2141 <u>WBHQ</u> 104.3 GA Augusta, r	138	1055 <u>WLTR</u> 91.3 SC Columbia, c,o/local <u>WHQR</u>	
2202 <u>WRDU</u> 106.1 NC Wilson, rp	171	1534 <u>WAEV</u> 97.3 GA Savannah, r,o/local <u>WHL</u>	
4/2 tr		2115 <u>WRX</u> 102.9 NC Hickory, b, Relax 102.9 200	
0800 <u>WZLI</u> 106.1 GA Toccoa, r, "Z-106"	148	2124 <u>WCRJ</u> 107.3 FL Jacksonville, k	300
0801 <u>WAGK</u> 103.3 VA Danville, k	132	2145 <u>WFYV</u> 104.5 FL Atlantic Beach	295
0809 <u>WQSM</u> 98.1 NC Fayetteville, r, q96	114	2157 <u>WGIG</u> 100.7 GA Brunswick, k	243
0815 <u>WYAV</u> 104.1 SC Conway, r, Wave 104	139	"Bulldog Country"	
0837 <u>WESt</u> 89.5 TN Johnson City, t	118	4/4 tr	
0852 <u>WSB</u> 98.5 GA Atlanta, r, B-98.5	225	0001 <u>WMMY</u> 94.5 NC Eden, b, My 94.5	203

From near Chester, SC:

0923 <u>WQOK</u> 97.5 VA South Boston, s	200	0940 <u>WJYOT</u> 107.7 FL Mount Dora, rm	391
Some very good tropes were noted to FL and VA		0942 <u>WBWJ</u> 105.1 FL Orlando, r, <u>B105</u>	402
Most Charlotte and Winston-Salem stations		0943 <u>WHT</u> 96.5 FL Orlando, rp, q96	402
heard, as well as most Raleigh-Durham-Chapel Hill Kiss's, Charleston, SC and Savannah, GA,		0945 <u>WCOL</u> 105.9 FL Deland, oldies	365
Columbia, SC		2119 <u>WZK</u> 94.3 NC Wallace, r, Mx Radio K94	
From North Myrtle Beach, SC:		o/WWDPM and <u>WHT</u>	80
1740 <u>WQIK</u> 99.1 FL Jacksonville, k	300	2157 <u>WTEB</u> 89.3 NC New Bern, c, ex-89.5	140
1803 <u>WLVA</u> 96.9 NC Statesville, k	184	4/6 tr	
1810 <u>WAKG</u> 103.3 VA Danville, k	300	0646 <u>WQBA</u> 107.5 FL Miami, SS	562
2020 <u>WBBO</u> 93.3 NC Forest City, mj	205	0647 <u>WIRK</u> 107.9 FL W. Palm Beach, k	503
2022 <u>WQCK</u> 97.5 VA South Boston, s	207	0654 <u>WTID</u> 106.9 VA Suffolk, k, Kix 106,	238
2028 <u>WEAR</u> 96.9 NC Goldsboro, r, q96	123	local ads, call change?	
2130 <u>WPVR</u> 94.9 VA Roanoke, big bands	255	0655 <u>WHT</u> 105.1 FL Coral Gables, rs, Hot105.568	
2149 <u>WTDC</u> 104.3 NC Tarboro, k, adj. to	172	0658 <u>WWDE</u> 101.3 VA Hampton, ads	270
strong <u>WYAV</u> 104.1		0659 <u>WPOW</u> 96.5 FL Miami, r, Power 96	562
2150 <u>WBHQ</u> 104.3 GA Augusta, r, q104	185	0702 <u>WHYI</u> 100.7 FL Ft. Lauderdale, r, Y100	
2207 <u>WRCK</u> 98.7 NC Jacksonville-Wilmington-		0703 <u>WQYI</u> 106.7 FL Ft. Lauderdale, rm	540
Moreshead City, k, listed 92.1 in FM At. 81		0704 <u>WAXY</u> 105.9 FL Ft. Lauderdale, oldies	540
2230 <u>WFDZ</u> 103.1 SC Cheraw, r, o/local <u>WYAV</u> ,		"105.9 Waxy FM"	
IDs 106X(w/ <u>WJMX</u> 106.3, see note)	89	0708 <u>WOWV</u> 95.5 FL Ft. Pierce, r	454

Excellent coastal tropes on the 6th. Many Florida UHF's in. I wonder if people in Virginia Beach were getting Miami? DXing was done in two windows, one facing the ocean and one facing inland. The ocean facing one brought in some coastal stations perfect, while the other revealed inland stations loud with no sign of the coastal ones. If I were to do bandscan, I would need to do two as they would be totally different from the 2 windows.

WFDZ 103.1 acts like a full-power translator of WJMX 106.3 Florence, with a short dual WJMX/WFDZ ID between commercials as its only mention. Every other time, it IDs as "106X", WJMX's ID. Even the top of the hour is only mentions WJMX. Is this legal? Also no sign of 92.1 WJMX translator in Florence. After I put my Myrtle Beach bandscan in the February '88 VU, I realized it really should have been in your column. (Editor's note: Actually, I don't print bandscans. I feel the southern FM DX column is supposed to be about DX and helpful comments to pursue FM DXing. A list of stations that are routinely received from a certain location, as in a bandscan, would be inappropriate material for SFM.)

JUNE 1988

SOUTHERN FM DX

JUNE 1988

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

Not a lot to report this time, but there've been a couple of new loggings. When I submitted my February report I forgot to include a 1/15 es opening, and KSTN Stockton died a couple days ago, allowing me to catch KOSZ Grover City on the eve of their power boost (to B1 status). Mr. Funston, the owner, told me they would be at their new power & transmitter site by 3/4 or today at the latest.

TIME CALLS	FREQ	ST	CITY	DIST REMARKS
1/19/88 ES				
0808 <u>XHMP</u>	95.5	COAH	Torreón	1390 ID
0845 <u>XHMAT</u>	99.5	SIN	Mazatlán	Sp
0901 <u>XHFL</u>	90.5	SON	Ciudad Obregón	Sp
0913 <u>XH??</u>	89.3	SON	Ciudad Obregón?	R. Sonora
0922 <u>XHCNA</u>	100.1	SIN	Culiacán	1250 Culiacán ref
3/3/88 TR				
1820 <u>KOSZ</u>	107.3	CA	Grover City	185 Cozy R., lcl

I suspect 89.3 may be a (high-powered) relayer for XHHB 94.7 Hermosillo since format & announcers sound the same (& XHHB unids as Radio Sonora also). Further, the reception was quite clean, but the gain dropped to near-zero at times, suggesting problems with an off-air pickup. The transmitter is almost certainly in southern Sonora, as there was no sign of 93.9 or 94.7 Hermosillo, but Cd. Obregón, Culiacán, & Los Mochis (XHBS-4) were all in at the time.

Matt Sittle, 220 Brookfield, Kingsport, TN 37663

4/3 trs		4/19 trs	
2329 <u>WLAP</u>	94.5 KY Lexington, r	162 2028 <u>WDDG</u>	105.1 NC Durham, r, "G-105" 203
2331 <u>WJMX</u>	93.1 NC Winston-Salem	130 2056 <u>WOSB</u>	105.1 AL Albertville, k, calls 256

Hi! DX is still very slow, but still I was able to log two new stations when WZXY was off the air 4/19-21, and I was able to see what I could get on 105.1. I used trs for tropo-scatter in my report, as I feel it is a more accurate description of what I heard. Es activity is up an MUF up to ch 6 on 5/1 already! Hopefully, the Es will make up for the lack of tr so far! 73's & super DX to all.

Gus Mancuso, 5615 Inwood St., Hyattsville, MD 20785

In mid-July I'm going to do a band scan from E. Windsor(central)NJ, staying at Clarion hotel (one night on each side of bldg) for four nights. It will be from a Monday to a Thursday, will finalize dates next mo. I'm looking for others DXers to come out at same time. Location is midway between NYC & Philly, just off Jersey Tpke. There's plenty to do during day. Atlantic City 1 1/2 hrs. away, Great Adventure amusement park 1/2 hr. away, NYC 1 hr. away. Goal: 175 stations. (Strange, how I fail to see the appeal behind logging area stations that are supposed to be regularly received. DE)

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

Equip.: Onkyo T9090 tuner, Probe 9 at 20°, rotor

4/18 SW

2041 KFXI 92.1 OK Marlow, "Foxy 92" 100

A busy work schedule and an apparent poor off-season has kept DX activities down considerably here. The meager above represents the only new logging since July 29. At least things have no where to go but up now, I hope. To add some new renewed interest here, I am thinking about moving my antenna up about 10 ft. higher. How awkward to use the FM Atlas now that it's gone metric. To please the Canadians a metric edition should have been prepared for them.

KVRO
stillwater
FM 105†

217½ S. WASHINGTON
 ON THE STRIP
 STILLWATER'S HOTTEST FM

ANARC UPDATE

CHOOSING A CONVENTION SITE FOR 1989

The ANARCON '88 is only one month away, and work is being done on the 1989 convention! The first act was to choose a convention site. This usually is done two years before the convention, from the bids submitted, but due to the change of Executive Secretaries the vote was delayed.

We were provided with two bids- one for St. Petersburg FL and the other for Valley Forge PA. The St. Petersburg proposal has been around for over two years. It was submitted by Jeff White, who is well known in the international radio field. He has been associated with several radio ventures such as Radio Earth and Radio Discovery. With his connections, he has proposed a convention theme focusing on media in Latin America. At first his bid was co-sponsored by an ANARC member club, but they withdrew their support (for reasons best known to themselves). The Valley Forge proposal was submitted by the North American Shortwave Association after a successful mini-winter convention.

Both proposals were interesting and each had their good and bad points. The St. Petersburg proposal lacked ANARC club co-sponsorship. The Valley Forge proposal lacked specific program and seminar ideas. Although the Valley Forge convention site would be better for me, I voted for the St. Petersburg convention site. I felt that Jeff White had better ideas for programs that would be interesting and different. Being that he is well known in the DX hobby, the radio community and has worked for and with ANARC, the lack of co-sponsorship should not be allowed to stand in his way for getting the right to host the convention. He is, with the help of South Florida DX'ers, very capable of presenting an exciting and successful convention.

The other ANARC reps agreed that the St. Petersburg proposal was the best as it was chosen as the convention site for 1989. More in the future.

A new issue for ANARC, taxing the sale of new radio and television receivers to help support public broadcasting. I'd like to hear from other WTDFA members on this issue. Tell me if you would support such an issue and why or why not. Feel free to write to me on this or any other subject that you feel should be of interest to ANARC at:

Steven Sprachman
15 Berry Lane
Hicksville, NY 11801-6203

I'll use the responses in a future ANARC Update.

To all the WTDFA'ers going to ANARCON '88, please tell everyone about our club and have a great time at the convention. Please write and tell me about the convention and tell me what you thought about the convention- both good and bad.

SPRACHMAN'S CORNER

The Virtues Of AM Radio

The virtues of FM radio have been extolled in the VUD many times. This is only natural as FM DX'ers. But this has been done at the expense of AM radio to the point of saying that AM radio has died! Well, a recent trip down to North and South Carolina allowed me to examine AM and FM radio in different locations.

One of the first places I was able to do this was in Princess Anne MD on the Eastern Shore of Maryland. The differences between the bands at 7am was quite remarkable. The FM band was covered with many strong and clear signals, while the AM band had only one clear signal from the local station in Pocomoke City (WDMV-540). The rest of the AM band was unlistenable.

Our next location was Norfolk VA. Here there were plenty of strong signals on the AM band, but half the stations were rebroadcasting the program on the FM outlet, without mentioning that their AM outlet existed!

The next stop was the Outer Banks of North Carolina. It was here that the first virtue of AM radio became apparent. There were only a couple of local AM stations and it was the distant stations that really amazed me. Long Island's WHLI-1100 and WBAB-AM 1240 were coming in with strong signals at 5pm. These stations, plus strong signals from New York City's WNBC-660, WABC-770 and WCBS-880 allowed me to keep in touch with the news from home while being 400 miles away. While listening to the FM stations in the Eastern half of North Carolina,

I came to realize one of FM radio's bad characteristics, its sameness. The disc jockies lacked local accents, even on the stations that played country music. The jingles sounded like the ones used everywhere else. In one place, I remarked to my wife Joyce that the station we were listening to sounded like K-Joy (WKJV-98.3 Hempstead NY). The station had the same slogans and the DJ sounded and talked like the ones on WKJV. (This may be accounted for because, as I have recently found out, "K-Joy" uses a satellite music service). It was only when the stations played local advertisements that I was able to realize that I was in North Carolina and not Nassau County.

Then we came across a small town along I 95, 30 miles east of Raleigh, named Smithfield. Its AM station provided us with some of the most interesting listening of the trip. The noon time announcer had the most pronounced southern twang of any person we came across while listening to the radio or in person on our whole trip. He was real folksy, saying things like "Howdy Friends" and "I'll see you at the furniture store (one of the advertisers) after work". The music he played was real "hic" country music, the slow ballads with lots of fiddles. I expected to hear ads for Floyd's barbershop, Goober's Gas Station and all the other fine shopping in "Mayberry". So, the best virtue of AM radio is that in many places it has retained that local feeling that has been lost on most FM stations.

Media News From The Trip

There is life after Home Shopping, or at least there is on WTGJ-61 Wilmington DE. WTGJ presents several hours of the American Value Network during the day. At night, they show ethnic programs in Spanish and Italian, and several syndicated programs on the weekend.

Raleigh NC has two new television stations. WYED-17 is now on the air with the Home Shopping Network. And Raleigh is getting an LPTV station. We saw W688K from St. Augustine College in Raleigh testing with teletext. They plan to start programming in the fall.

New York Media News

WQHT ("Hot 103") will be moving to 97.1 mHz once the FCC approves the sale of WNYW. The move will allow WQHT to be nearer to the competition (WOXR-FM and WEVD, "the Great 98", just kidding!), WWPB and WRKS.

Additional AM Bands?

It was with great interest that I read the proposal of expanded AM bands in the May VUD. But, I think there are things that the FCC has to do prior to the expansion. The FCC should work to Maximize the available spectrum space that is allotted to AM radio now. The FCC should force all the simulcasting stations to follow what I call the "3 S's"--Split up, Sell off, or Shut up. This would force the present owners of these stations to either put money into them to enhance their programming or to open up frequencies to those looking to start-up a new station but are unable to due to the high cost of buying an existing station.

Once the AM band is extended to 1700 kHz, the FCC should create several clear channel bands within the present AM band using the frequencies of 640 to 780 kHz, 820 to 890 kHz, and 1000 to 1210 kHz. Special regional stations would be set up on these "clear channel bands" that would have higher than present powers, say 75,000 watts for coastal stations and 100000 watts for mid continental stations. Lower powered stations on the clear channel frequencies would be given first shot at getting one of the new frequencies in the 1610 to 1700 kHz band.

I like the idea of an "AM 2" band on the 120 meter band, but I think if an "AM 3" band is created using the 90 meter band, that it should be only open to a small number of "regional clear channel stations" due to the propagation nature of signals on this band.

Well, let me close here! Until next time,

73's

Steven P. Sprachman



C.C.I. [UNIDENTIFIED DX]

Robert Grant
5775 Bishop
Detroit, MI 48224.
June, 1988.

FM unIDs:

Mike Reid, 65 Spring Garden Ave. #1408, North York, Ont., M2N 6H9.

1986: Fri 12 Sep Es 91.7 0200 EDT-- early 70's rock, ID as "Jazz 91-7, W???"

1987: Mon 29 Jun Es 101.1 2200 EDT-- rock, "K-Lite". Calls sounded like "KITE"
(PTA: LA,TX,OK.)

TV unIDs:

Robert J. Williams, 312 Shoshone St. E., Apt. B-8, Twin Falls, ID 83301.

1987: Mon 8 Jun Es ch 2 1421 MDT-- recipe ad with Orlando address. (WESH unlikely,
about 6 yrs. ago, stations stopped running
their own boxes. -RG)

" " " ch 2 1428 MDT-- end "Kitchen Tips", CKND2, KGFE in. (PTA: MN,ND,SD,ON,MB)

Fri 17 Jul Es ch 4 1755 MDT-- "Newlywed Game" (PTA: Central US. KLNE-3 in @ 1931.)

" " " ch 3 1903 MDT-- begin "Perry Mason" (PTA: Central US.)

Sun 9 Aug Es ch 3 2133 MDT-- Wrestling. (PTA: ON,MN,WI,IL,IA,MI,MO.)

Mon 10 Aug Es ch 2 1330 MDT-- begin or end "Love Lucy" or "The Lucy Show"
station could have been showing it at 1300 or 1330
(PTA: CO,NE,KS,etc.)

" " " ch 3 1430 MDT-- begin "Concentration" (PTA: IL,WI,MN,MB.)

" " " ch 3 2130 MDT-- begin "M*A*S*H" (PTA: along MS river.)

" " " ch 3 2212 MDT-- "Love Connection" (PTA: TN,LA,TX. KTBS in @ 2205.)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.

1988: Sun 1 May Es ch 3 1600 EDT-- ad- "Paul York Toyota", promo- "Coal Miner's Daughter"
(PTA: SSW, suspect KATC.)

Mon 2 May Es ch 3 1030 EDT-- "Geraldo", plus or minus offset.

From Carleton, MI:

Thu 5 May Es ch 4 1756 EDT-- zero offset, nxcast, in box: "Summertime Hotline 325-332?"
(Cuba in, suspect WTVJ or WTVY.)

" " " ch 5 1830 EDT-- YL announcer in SS, in studio with floral setting
(?) and talking in tone that seemed to imply public
announcements instead of news, audio too sporadic
for me to understand anything in SS. not // to ICRT-
Cuba on 3. Line rate slightly different than US NTSC
stations, a floater, but not a flier.

TV IDs:

Keith Pugh: from 9/86 CCI:

1986: Sun 25 May Es ch 2 1351 CDT-- movie "Gigi" in FF. (was on SRC in PQ and Maritime
provinces at time. -Mike Reid.)

Matt Sittel: from 9/86 CCI:

1986: Sun 25 May Es ch 3 1411 EDT-- Indy 500, ABC. CFOM-4 in (could also be Indy 500
on CTV. -Mike Reid.)

Larry Van Horn: from 9/86 CCI:

1986: Tue 10 Jun Es ch 2 2004 EDT-- BB, NY vs. Det. (not WGRZ -Mike Reid.)
Wed 11 Jun Es ch 6 1650 EDT-- "The Young and The Restless" (CIII, Paris, ON or
CIII6, Hull, PQ. -Mike Reid.)

Scott Hood: from 9/87 CCI:

1986: Thu 17 Jul Es ch 3 1810 EDT-- "MCTV" (MCTV also runs a net of CTV stations, based
on CICI, CITO and CKNC [funny, I thought CKNC was
CBC, -RG]. unit ID was either CICI1, Elliott Lake,
Ont., or CITO2, Timmins, Ont. CKVR is not in MCTV.
-Mike Reid.)

John Combs: from 8/87 CCI:

1987: Tue 9 Jun Es ch 3 1218 EDT-- "Leave It to Beaver" (Definitely CKVR. -Mike Reid.)
Sat 13 Jun Es ch 2 1157 EDT-- quiz show with 2 teams of 3 students each.
(CKCO2 had "History Canada Quiz" at time, could be. -Mike Reid.)

Mon 15 Jun Es ch 2 0916 EDT-- "Let's Make a Deal" (Definitely CIII2. -Mike Reid.)

" " " ch 3 0930 EDT-- begin "World Alive" (CKVR again. -Mike Reid.)

Robert Grant: from 7/87 CCI:

1987: Wed 3 Jun Es ch 3 0115 EDT-- ad in EE with PQ address. (most likely PQ, so
CBSET. -Mike Reid.) (with both you and Charles
Charles Gauthier agreeing, I think I will log this
one as CBSET, #360. TNX, RG.)

Fri 5 Jun Es chs 5&6 1543 EDT-- ad "Chedabucto Ford". (could be "Chedabucto"
in reference with Chedabucto bay in NS. probably CJCH and CUCH6. -M. Reid.)

" " " chs 3,5&6 1630 EDT-- FF stations // with talk, not // CBEP7-54.
(most likely TVA- ch3: CHAU1; ch5: CHAU or CFER2; ch6: CJPM. -Mike Reid.) (TNX AGN, -RG)

CCI- unidentified DX.

June, 1988.

FM CCI aids:

MORE "CRUNCH" EXCHANGES:

Toronto, Ont.: 870-####, 872-#### (Mike Reid.)

San Francisco/Oakland, CA.: 478-#### (Mark Strickert.)

Milwaukee, WI.: 799-#### (Mark Strickert.)

Sorry, Mike Reid, about the delay in your report. It was postmarked
8/26/87 but arrived in late January, 1988! I guess that says something about
USPS and/or Postes Canada.

I have a list of lowband stations running the "For Kids' Sake" PSA package,
and I will send a copy to John Combs as soon as possible (TV CCI AIDS is no longer
my department).

The 1988 Es season appears to have gotten an early start. I observed three
Es openings in the first week of May (the first time I have seen more than one
Es opening in this week). On 5/5, while at Carleton, I had excellent stable, snowfree
Es from Cuba and observed the "European-style" ICRT test pattern on channel 3.
Has anyone else noticed that the pattern is B&W except for a narrow horizontal
bar with color bars (the same colors and in the same sequence as the regular color
bar patterns).

If one tries to compare this Es season with last year's, one is bound to be
disappointed, but one good miracle deserves another, hi.

Column layout by:
David J. Nieman
12284 Nice Road
Akron, New York
14001-9529

PHOTO-NEWS

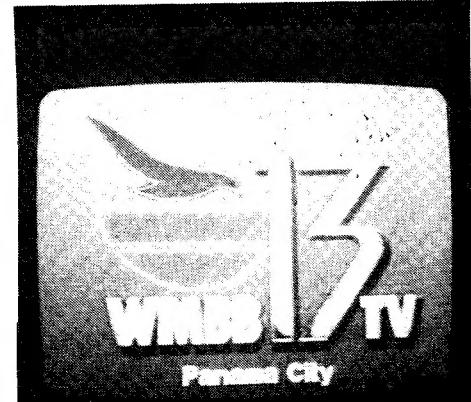
JUNE

1988

This month's reporter is: Carlton Howington - St. Petersburg, FL



W65BG
Tallahassee, FL
200 mile tropo
seen March 1, 1988



WMBB-13
Panama City, FL
300 mile tropo
seen March 1, 1988
at 1900 ESTime
"over local; WTVT-13"

Carlton's foto file continues.....



KTMD-48
Galveston, TX
750 mile tropo
seen 2/16/1988
at 2100 ESTime



WHNS-21
Asheville, NC
500 mile tropo
seen 3/2/1988
at 0525 ESTime



W17AB
Tallahassee FL
200 mile tropo
seen 3/2/1988
at 0545 ESTime

Our next reporter is; Bill Eckberg - Dixon, IL.....



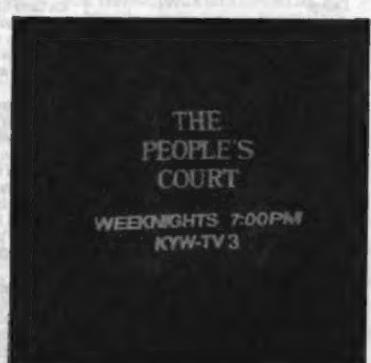
KTWO-2
Casper, WY
849 mile E-skip
seen 8/19/1987
at 1725 CDTime
non-ID "K2"



KGNC-4
Denver, CO
811 mile MS
seen 10/12/ 87
at 0515 CDTime



Norfolk, VA
767 mile MS
seen 10/12/87
at 0415 CDT



KYW-3
Philadelphia,
PA
741 mile skip
seen 10/24/87
at 0420 CDT
"E-skip any time or season"

Thanks Bill for the great DX fotos; someday maybe we can run some of your DX set-up.

DAVE



FCC FM NEWS

New FM Station, Translator Grants
(Selected translators only; for more detail see
May "FMedia" newsletter)

AK Adak AFR *103.1 220 h, Alaskan Forces
AK Galena AFR *101.1 300 h, AK Forces Radio
AZ Kearny 105.1 580 h, 204 m
CA China Lake 102.7 3000 h, 20 m
CA Pacific Grove KSUR-1 99.5 35 watts h, d-a;
primary in Monterey [Life Bestg., g]
CA Quincy 103.1 3000 h, v; -142 m, New/
CA San Diego 98.1 28000 h, v; 195 m, Repre-
sentative Media, to replace KIFM
FL Orlando 98.9 3000 h, v; 100 m, Urban Bcstg.
GA Cuthbert 100.7 3000 h, v; 100 m, D. R.
Limington [Idaho Falls]

ID Pocatello K296EA 107.1 KEKZ 96.1/
IL Marshall 105.9 3000 h, v; 100 m
KY Hyden 92.3 2400 h, v; 111 m
LA South Fort Polk (south of Leesville; 31-08-33;
93-15-10) 101.3 3000 h, v; 100 m
MI Roscommon 101.1 3000 h, v; 100 m
MN Atwater (Willmar) 94.1 3000 h, v; 100 m
MS University (Oxford) 92.1 3000 h, v; 100 m,
Student Media Center of the U. of MS

MO Buffalo 99.9 3000 h, v; 81 m, School District,
but channel designated as commercial, so it's
possible the schools will run the station
for-profit

NV Carson City *91.3 66000 h, v; 660 m, g,
Western Inspirational Broadcasters
NV Reno 92.9 39000 h, v; 879 m

NJ Stockton (Delaware Township; 40-26-56;
74-56-40) *89.7 5000 h, v; 53 m, Penn-Jersey
Educational Radio Corp.

NM Carlsbad 104.1 10000 h, v; 150 m
NM Farmington *90.3 150 h, v; 86 m, San Juan
College

NY Long Lake K218BA *91.5 (WSLU 89.5
Canton) [*103.3 Cleveland]
OH Brooksville W221AR 92.1 (WCRF/
OH Defiance 105.9 3000 h, v; 98 m
OH Mansfield 91.7 750 h, v; 137 m, \$, c, Ohio
Stan U. [*KMGK 94.5 Eugene)

OR Cottage Grove K265CX 100.9/
OR Sweet Home 107.1 2200 h, v; 114 m, Galaxy
Bcst. Partners; see "Deletions" below

PA Johnston W261CH 100.1 (WBXO 94.3
Cresson) [In, WCBG, Inc.
PA McConnellsburg 103.7 91 wats h, v; 554/
SC Aiken *89.1 10000 h, v; 378 m, \$, c,

talking book for blind] 67 kHz, SC ETV
WA Rock Island (between Chehal and Wenatchee)
99.5 3000 h, v; 46 m, Fine Arts Broadcasting
WA Spokane K285DZ *104.9 (KGTS 91.3
College Place) [88.5 Tacoma)

WA Woodland K2049G *88.7 (KPLU/
WI Ripon K221DH 92.1 (WRVM 102.7 Suring)

Call Letters Assigned

CA Delano 105.3 KKXX-FM (KAMM-AM is in
Paradise CA), r (CHR) [*AC-CHR")

CA Ferndale 99.3 KWHZ ([AC-CHR])
CA Fresno 102.7 KTHT (KKNU), "K-Hit," r/
CO Denver 98.5 KYGO-FM (KYGO)
CO Grand Junction 107.9 KJYE

GA Sparta 102.7 WHAN
GA Statesboro *90.3 WOTR
GA Warner Robins 101.7 WPPR (WRBN-FM)

ID Idaho Falls 99.1 KUPI-FM (KOP)

IL Chicago 100.3 WXE2-FM (WLOO)
KY Ashland 93.7 WRVC-FM (WAMX-FM; AM is
in Huntington WV)

ME Camden 102.5 WQSS (WMFT), to be Stereo
ME Scarborough-Portland 106.3 WPWK (WDCSI),
still classical/religious"

MA Gloucester 104.9 WBOO (WVCA-FM); see
FMedia! for report on S. Geller's selling of

this station
MI Detroit 99.5 WDX (WDTX)
MI Harbor Springs 103.9 WLTO (WFGI)
MI Portage 107.7 WVKR, to be S, rp (album
rock), ID with Kalamazon

MO Macon 99.9 KZOX
MT Dillon 98.3 KDBM-FM (KDLM-FM)

MT Kalispell 103.9 KOFI-FM
NM White Rock 101.1 KTJB

NC Hertford 104.9 WKJE (WELO)
ND Wahpeton 107.1 KSWB

OK Sulphur *91.1 KFOM (KSUW)
PA Harrisburg 99.3 WIMX (WHIT-FM), still r,
but "AC-oldies mix"

JC Port Royal 99.7 WHTK (WOEC)
SD Pierre 95.3 KLXK-FM (KNEY)

TN Clinton 95.3 WTNZ-FM (WTNZ; AM is in
Knoxville, not "WNKX," as on p. 37 FM
Atlas-11) [-FM; AM new calls

TX Houston 104.1 KRBE-FM" (KRBE/-
TX Lubbock *90.1 KAMY (KCEI)

VA Charlottesville *89.3 WVTU
WV Dunbar 94.5 WBES

Facilities Changes Granted

AL Bay Minette WLPF 105.5 1900 h, v; 125 m
AL Carrollton WAGT 94.1 10000 h, v; 307 m

AK Fort Greely AFR *93.5 (from 101.1) 300h [horizontal]
AFR-AM 101.5 (from 101.1), 300 h

CA Chico KMF 93.9 (from 93.7) 2000 h, v; 344
m. Remove "Rockin' 98" non ID from p. 146
FM Atlas-11.

CA Hemet KHYE 105.7 170 h, v; 312 m,
transmitter to Polite Bay, 7 km SE

CA Santa Maria KXFM 98.1 1800 h, v; 581 m,
transmitter to 22 km SE

CA Santa Rosa KVRE-FM 101.7 18500 h, v; 117
m, Class B1 on former Class A channel

CO Pueblo KATM-FM 100.7 638 m (13500 h, v)
FL Gainesville WYFB *90.5 10000 h, v; 203 m

FL Ocala WMFQ 92.9 (from 92.7) 5000 h, v;
145 m [m (10000 h, v)

FL St. Petersburg WYK-FM 99.5 300
HI Waimea (new) 99.1 38500 h, v (953 m)

IL Champaign WEFT *90.1 99 m, d-a (10000
h, v) on air with such and now S

KS Girard KFRB 101.1 99 m (3000 h, v)
KS Wichita KEYN 103.7 10000 h, v; 265 m,
transmitter Colwich KS. Station missing from

p. 165 FM Atlas-11. Add it to that page, \$.

KY Cadiz WBZD 106.3 98 m (3000 h, v)
LA Lake Charles KYKZ 96.1 1430 m (10000
h, v) [10000 h, v]

LA Shreveport KWKH-FM 94.5 334 m/
MD Baltimore WXYZ-V 102.7 133 m (50000 h, v)
NM Luverne KLOL 101.1 300 m (10000 h, v)

MS Ellisville WBSU 102.5 (from 102.3) 50000
h, v; 115 m

MO Ferguson KCFV *89.5 d-a [directional
antenna], protecting WRTE *89.5 Cahokia

MO Kansas City KKF1 90.1 130 m (10000 h, v)
MO St. Louis WIL-FM 92.3 10000 h, v; 300 m

MO Webb City KIXU 93.9 (from 94.3), see "FM
Rulemakings, Finalized" in FMedia and
learn why KIXO now on 93.9 with Class A
facilities

NE Aurora KMTY 97.3 (from 103.1) 50000 h, v;
103 m

NM Hatch (new) 101.1 302 m (10000 h, v)
NY Buffalo WFBB 89.9 2000 h, v; 12 m

NY Hornell WPKQ 105.3 43000 h, v (162 m);
correct "FM Atlas" 11th edition, p. 168,
town name from "Cornell," [AE 88.7]

NY Hyde Park W213AC *90.5 (from W204-
NY Rochester WKLY 98.1 150 m (50000 h, v)
ND Lisbon KDLX 106.1 (from 106.3) 50000 h, v
(85 m)

Bruce F. Eiving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

FCC-FM

SC Cheraw WPDZ 103.1 rm, relaying WJMX
106.3, "106-X," Florence. It's "acting as a
full-power translator of WJMX. Only WPDZ
mention was heard in between commercials."
Top of hour ID which our reporter heard
mentioned only WJMX

TN Soddy-Daisy WYYV 102.3 r, "CHR/AC
blend," strict nonID: "Y-102," and IDs with
Chattanooga. "WNNO-AM is still s (urban)."
TX Devine KTXZ 92.1 k

TX Fredericksburg KFAN 101.1 rm (from k), ID
with San Antonio. No nonID; no "K-Fan."
Its transmitter move closer to San Antonio
and 418 m height means it comes in "as
strong as any San Antonio station."

WA Tacoma KVTL *90.9 (CHR) "I-81"
WV Charleston WVNS 96.1 rm (from b),
"Warm-96" [Star Station]

WV Oak Hill WVMA 94.1 rm, "94.1-Your
A8 Edmonton CKNG m, "soft M-O-R vocals,"
still "King FM" nonID

ON Toronto CHUM-FM 104.5 rm, "a-c"; always
says Chum-FM, "never C-H-U-M-F-M"

PQ Montreal CKFM 94.3 denied its bid to delete
"special interest must fit from its program-
ming . . . The Commission said it viewed with
grave concern the company's repeated failure to
comply with this aspect of its Promise of
Performance and will require CKFM-FM to
continue to submit weekly performance
reports"

NonIDs, Not Just Slogans

AL Albertville WOSB 105.1 no nonID. "FM-105"
and "The Country Giant" always followed
with calls; no "OSB" either.

CA Manteca KSJO 96.7 0.97, "CHR, of course"
GA Columbus WNKX 102.9 Kiss-FM (not "102.9
Kiss-FM")

WFKE 104.9 Foxy 105 (not "Fox-105")

ID Emmett KJHY 101.7 K-Joy. Sheriff's deputies
confiscated some office equipment and a
microwave dish used by KJIC AM. KJHY
remains on the air. Two men had lent the
KJIC-KJHY general manager money and
then he defaulted on the loan, according to
newspaper reports. Details also from KTVB (TV),
which mentioned "pirating of the
Transstar service, no lights on their tower, and
liquidation of assets of the stations by the
state and IRS." [Stereo-105.5"]

IN Valparaiso WLJE 105.5 no nonID (was/
OR Coeur d'Alene KYNQ-FM 106.5 The King, r,
"CHR. With a name like that, should be
Christian"

PA North Bend KOOS 94.9 Country-95
PA Clarion WCCR 92.7 C-93

PA Ellwood City WKST-FM 92.1 Star 92.1
PA Mifflinburg WWBE 98.3 B-98

PA Butler WLER 97.7 The Leader (not strict),
from "Magic-98"; ID with Pittsburgh [North]

PA Lineville WVCC 101.7 FM-102 (strict)
PA Wellsboro WNBT-FM 104.5 B-104

SC Florence WJMF 106.3 106-X [mono, g
WB Beckley WBKB 99.5 99-BKBW, still/
WV Miami WLZT 107.3 Lite-107 (strict)

WV Morgantown "CLG-FM 100.1 Power-100
(not strict, from "CLG-FM")

WV Mount Hope WTNJ 105.9 country-106, ID
with Oak Hill Beckley

WV Kaukauna WKFX 104.3 Fox 105 (not strict);
ID with Green Bay and "Fox Cities"

WI Whitewater WSVU 91.7 U-91 (strict);
WV Fairmont W213AC *90.5 remove *, p.
125 FMA

ON Kitchener CFCA 105.3 remove *, p.
ON Penetanguishene CBCM *107.5 add *, p.
125 FMA

ON Sudbury CBBS 90.1 CBOS 90.9 add *, p.
125 FMA

YT Whitehorse p. 146 FMA, 93.5 CHLAs/calls/
Question about need to add * to the following

university stations of Canada (p. 125 FMA),
which one reporter considers noncommercial,
but which could have commercials (such as
known to exist on CKDU 97.5 Halifax NS), or
embellished underwriting. "Nonprofit" is not
good enough; to warrant listing with an asterisk,
a station must be devoid of commercial exhorta-

tions. Stations in question are:
ON Guelph 93.3 CFRU, U. of Guelph

ON Hamilton 93.3 CFMU, McMaster U.
ON London CHRW 94.7, U. of Waterloo

ON Ottawa CKCU 93.1, Carleton U.
ON Peterborough CFFF 96.3, Trent U.,
listed above as "off air"

ON Toronto CHRY 105.5, York U.
ON Waterloo CMKS 94.5, U. of Waterloo

MEXICO Ciudad Juarez pp. 64, 67 FMA, add
106.7 XHAR

WMLI an Improved DX Target

Center City"

WI Sauk City-Madison WM/LI 96.3, having moved
from 96.7, "no nonID," but uses slogan
"Lite-96," ID changed from "Sauk City-
Prairie du Sac"

Off Air, or Not Yet On

KS Lenexa K224AS 92.7, translator for KSKU
106.1 Lyons KS, still listed by FCC as a c-p
(construction permit)

PA Erie W285AI 104.9 (WCTL 106.3 Union City
translator); "does WDN [104.9 Geneva
OH] mean they had to shut down?" [Probably
not, as W285AI is outside WDN's primary;
W285AI listed by FCC as licensed]

VA Cape Charles WIAV 96.1, along with AM
WVAB 1550 Virginia Beach

VA Tazewell WTZE 100.1, "no sign of this at all"
TN Harrrogate, p. 39 FMA, *90.5 WLNU/
TN Signal Mountain *91.5 calls are WAHL (not
"WCSD"), April VUD, p. 15, col. 1

TX Alice p. 65 FMA, 92.1 KOPI, not
"KFLZ" [not "KLTY"]

TX Arlington p. 62 FMA, 94.9 KYHI/
TX Bastrop p. 62 FMA, 107.1 KSSR, not
"KLIO" [out of sequence]

TX Dallas p. 145 FMA, KRSM *93.3/
TX Denison, pp. 61, 64 FMA, remove KGCC
*88.7 [not "KLOZ"]

TX El Paso pp. 64, 67 FMA, KPDR/
TX Houston p. 63 FMA, 96.5 KKHT, not
"KSSR" [to 100.7, not 107.7]

TX Jasper p. 63 FMA, KJAS to move/
TX Mesquite p. 63 FMA, *88.3 KEDM, not
"KOEM" [not "KOFR"]

TX Odessa p. 64 FMA, *90.5 KEHC/
TX San Angelo p. 65 FMA, 93.9 KYSD (now
KTEO-FM), not "KTXE"

98.7 KELI, not "KG LB"

WV p. 20 FMA, station seeking 93.9 is WRRR
101.7 St. Marys, not WATO 103.9 New
Martinsville

NY Rome WRF-GM 96.1 96-Frog nonID and
apparent dual city ID with Utica, p. 8,
Nordquist

NY WMHR translator list, p. 10, Conigliano.
FCC-DataWorld list shows no WMHR trans-
lator on 101.7.

OH Port Clinton WOSE 94.5 rm (from k),
Conigliano, p. 9 [p. 15, FMA, Kader, Fader
15, Fader]

VA Norfolk WNOR-FM 98.7 is Pugh's unID/
omitted; is 10 wats, no calls assigned

BC p. 173 FMA, CIBC-4 107.5 is Burns Lake, not
Prince George [not "CFUO"]

BC Port Nelson p. 123 FMA, *88.3 CBUD,/
BC Port Alberni p. 88 FMA, 98.1 CBTQ add *
BC Tumbler Ridge p. 89 FMA, *89.3 CBUT, not
"88.9" [not 90.3 both places

NE Campbellton, p. 95 FMA, CBAE/

NE Bonne Bay, p. 97 FMA, 89.1 add *

NE Norris Point, p. 97 FMA, CFBB 93.7 add *

NS Halifax, p. 96 FMA, 97.5 CKDU remove *

ON Belleville CBBS 94.3 add * p. 124 FMA
ON Cornwall p. 92 FMA, 97.3 CKO, not
"CHOM" [not "104.1"]

ON Hawkesbury p. 43 FMA, 102.1 CHPR/

ON Kingston p. 14 FMA, CFCR is *101.9, not
"91.9" [not 125 FMA]

ON Kitchener CFCA 105.3 remove *, p.
ON Penetanguishene CBCM *107.5 add *, p. 125

ON Sudbury CBBS 90.1, CBOS 90.9 add *, p.
125 FMA

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ON London CHRW 94.7, U. of Waterloo

ON Ottawa CKCU 93.1, Carleton U.

June, 1988

[*WJGT"

OK Woodward p. 163 FMA, 102.3 KWDO, not
"KWOO"

OR The Dalles p. 78 FMA, KACT is 97.7, not
92.7

PA Clearfield p. 116 FMA, 93.5/

PA Schencksville p. 139 FMA, *90.3 WXLV calls
missing [91.5 listing

PA Summerdale p. 142 FMA, remove/

PA Williamsport map, p. 19 FMA lists two

"Wilkes-Barre." Change the one over group

of stations starting with "88.1 WWA" to read

Williamsport. Add 105.1 WILO. (*WYXZ"

SC Allendale p. 29 FMA, 93.5 WDDQ, not

"WHDQ"

TN Centerville p. 37 FMA, 96.7 WCOT, not

"WHLP"

[not "WLME"

VA Tazewell WTZE 100.1, "no sign of this at all"

TN Harrrogate, p. 39 FMA, *90.5 WLNU/

TN Signal Mountain *91.5 calls are WAHL (not

"WCSD"), April VUD, p. 15, col. 1

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TX Denison, pp. 61, 64 FMA, remove KGCC

*88.7 [not "KLOZ"]

TX El Paso pp. 64, 67 FMA, KPDR/

TX Houston p. 63 FMA

FCC FM

Monus sign (-) did not print, p. 8, FM Atlas, for stations having antenna below average terra n. Covers Printer made mistake and used same color as last edition. They took 10% off the price of printing because of that!

AM Happenings Most Likely Caused by FM

LA New Orleans. Grandaddy rock'n'WTX 690 which was sold by Starz to Price Communications a few years ago, is for sale again. A sorry sight for an old station.

VWL 870 is "slowly and unannouncedly abandoning its Newsradio all news format; it remains all news in or out of me only..."

WSMB 1350, "conservative talk radio with its dying audience, limp's a long." Norad, the seller, ran into some flack with the FCC on a station it owned in upstate New York.

Friends told the dynamic young business man who bought WSMB at auction that he was making a grave mistake.

WA Mountlake Terrace KKZU 1510, 1000 watts daytime. "Stat on which is in suburban Seattle has been silent since Jan. 16, 1985. FCC wants owners Northwest Broadcasting to show cause why its license shouldn't be revoked."

For more of these and other FM-related news, consult FMedial newsletter. DXers subscribing for one year is \$18 from FMedia, Box 24, Adolph MN 55701-0024, U.S.A. FM Atlas-11 still available. Get yours for \$9.95 per copy, two or more copies \$8 each. Add .55 per order postage. A good reference for the skip season, now upon us! Readers tell me the book is somewhat better than its predecessor.

SCMO/SCServices, 67, 92 kHz

ID Boise KIYS 92.3 FM (telemetry), 92 kHz; retains 1M, 67, Seaborg

KJOT 105.1 FM, 67; FM Rock 92

ID Co. dwell KXBL 94.1 FM (foreground, in-house, "Valley FM"), 67; FM, 92, low frequency telemetry, 92. "Valley FM may merge with Seaborg and occupy the 92 kHz channel of KIYS, since the same owner is leasing 67 there for 1M. If that happens, KBXL's telemetry could migrate to 67. Move is said to be considered because of KBXL's changing Valley FM \$600/month for the SCA lease."

MA Springfield WMAS-FM 94.7 no more Greek, 67, TE, but retains 97.4 on 92 kHz, which "parallels the 92 kHz foreground music of WCRB [Wa them] 102.5."

MA Worcester WRS 96.1 FM, "has been carrying WTAG 150 on 67 kHz for the past month." WRS was once WTAG-FM, though the stations went their separate ways back in the mid-'60s. Purpose of the WTAG feed on WRS is not known. Audio level is fairly low, but very clean. WRS had formerly carried "maverick" network feeds on their subcarrier, including a famous one reported in FMedia) which turned out to be an open loop crosstalk in the White House Rose Garden!"

MI Grand Rapids WXM1-TV (channel 17 to carry on an audio subcarrier "Sight Seer, Inc.", "the road map service which is currently on WGN-N 88.9 Grand Rap ds

MN Grand Rapids KNNS 96.9 FM, 67, re-eying Duluth's NOAA weather station. "Maybe they just run it in the summer." Was on air summer, too.

NJ Newark WFME #94.7, has "WEBN," 92 kHz, English/French West Indies, with plenty of calypso music. "We like the idea of your radios with their better bass and treble for the kind of music our customers enjoy. The McMartin radios lack the range we want. We need radios in quantities of 100 a week, and nobody can supply them to us fast enough." WFME 6E, 67 kHz, now with Russian.

Ariton, Fort Mohave for Real?

ON Toronto CBL FM 94.1 no SCA (had 1C radio stations' program relay, 67) CHFI 98.1 FM, 67 (no program relaying) CKFM 99.9 67 kHz temporary relaying of the main CKFM signal sometimes CF RB AM 1010, and at other times various station feeds (which, according to the way I language used, is obvious, yet not intended for the pub's ear!) That last I think c (Channel) starts on 92 kHz, it's still ethnic, but the "92 kHz SCMO actually has its own call letters" I IDs as CKFM 99.9 SCMO

FM Rulemakings Proposed
First date below (if given) is dead line for filing comments at FCC, second date for replies. Stations affected, if any, are listed before the dates. Only a few of these given here; the rest are found in FMedia!

AL Ariton 97.7A, by Patsy Nancy March and Rixey Earl Vance, but there's a question whether Ariton is a bona fide community, with the FCC citing Sec. 307(b) of the Communications Act of 1934, that requires to fairly and equitably allocate frequencies "among the several states and communities." Ariton is not listed in the U.S. Census, but is in the 1987 Rand McNally Road Atlas, with coordinates 31°42'14"; 85°45'14". Site must be located 12 km north, to avoid a short spacing with WKRR 97.7 Auburn AL, as well as a rule-making to allot 98.1A to Eufaula AL. This proposal is in conflict with Bonifay FL, below.

AZ Fort Mohave 107.1C2, Fort Mohave Broadcasting, May 31, June 15. Individuals commenting are asked to help determine whether Fort Mohave's a community qualifying for an FM allocation. It is located in the AZ-NV border area and is said to have 219 individuals, "of which 183 reside in the Arizona portion." Copies of comments should go to both the FCC and Fort Mohave Broadcasting, P.O. Box 8073, Fort Mohave AZ 86227. Requires Mexican concurrence.

AR Osceola 98.1C for 92, KM2P, June 6, 21 FL Bonifay 97.7C1 (from 97.7A), WTBB, conflicts with Ariton AL (above)

IA Iowa City, KRNA 94.1C1 from 93.9C1, May 31, June 15 (93.5 A, May 31, June 15 IA Mason City, KNIO 93.9C1 for/

IAS Sioux Center 93.9C2 for 94.3A, KVDB, June 13, 28, but in confl w/ Sioux Falls SD, below

KS Larned 106.9A, Thomas L. Higgins June/ KS Ossage City 92.3C2 for 92.7A, KZOC, June 17, July 1; this assignment made possible by KTGL 92.9C1 Beatrice NE moving its transmitter farther north. KTGL now transmitting from Hesston NE, and ID with Lincoln. It's a pretty decent Lincoln station. Studios now in Lincoln, mention the Beatrice only once an hour "KUCV '90.9 Lincoln appies to move its transmitter to Hallam, with license transfer from the Seventh-day Adventist Union College to Nebraska Educational Television Commission.

MI Pentwater 94.1A, James J. McCluskey. He is one of two applicants for the other Pentwater channel, 103.1A. By assigning its frequency, a hearing can be avoided; June 9, 24

MN Crookston 100.5C1 for 100.9A, WKLK-FM, June 6, 21. Because of WCTS 100.3C1 Minneapolis, site must be 9 km NE, or at WKLK-FM's present location, visited by the Court of Appeals, making the grant at Atlanta "conditional."

TX Livingston KETX-FM 92.1, whch succeeded in getting 92.3C2 allocated, wanted a site restriction of 4.3 km west removed. Restriction was to avoid short spacings to KTBS 92.1A Nacogdoches and a pending rule making to substitute 92.5C2 in Groves TX in lieu of 92.1A there. KETX-FM pointed to the "extremely high land cost" and the expense of constructing a 152-meter tower at the new site. KTFKA, however, pointed out that

window was open

ON 'Wabasha, Interstate Communications, 102.5A, June 9, 24. Site restriction 5 km west to avoid a conflict with WHTL 102.3A Whitewall WI. NY Conlin 93.3A, Program '4 Communications Inc., June 13, 28. Must be 5.5 km SW, to avoid a short spacing w/ WNTQ 93.3B Syracuse and WXXZ 93.9B Norwich NY NY Old Forge 94.1A, Ross Broadcasting Co., May 31, June 15. Requires Canadian concurrence. [10, 27]

NC Grafton 99.5C2 for 99.3A, new c/p, June/ TX Denison 104.9C2 for A, KMKT, June 9, 24, must be 21 km E to avoid short spacing to KWNS 104.9A Winsboro and KZBX 104.9A McAlester OK

TX Kerrville 94.3C2, counterproposal

VA Staunton 94.3B1 for 94.3A, WTON-FM, June 13, 28. Site to be 13.4 km SW to protect WQZK 94.1B Keyser WV and WQRA 94.3A Warrenton VA. "In addition, this proposal is located within the protected areas of the National Radio Astronomy Observatory 'Quiet Zone' at Green Bank WV. Therefore, it must conform with the notification requirements of Section 73.1030(c)(1) (5) of the Rules."

FM Rulemakings, Finalized (Selected)

Dates are when FCC filing windows are open

FL Green Cove Springs WSVE's request for 92.7A move to Neptune Beach FL denied. FCC contends changing the channel to a new community cannot be done without allowing other parties the opportunity to apply in the new community. This WSVE refused to allow, the channel stays in Green Cove Springs. In denying this, the FCC cited *Riverside and Santa Ana, California* 65 FCC 2d 920 (1977), recon'd, 68 FCC 2d 557 (1978).

FL Marathon 94.3C2 for 94.3A, WMUM

IA Sioux Rapids 102.9C2, as requested by Don Swanson of KTCF 103.3 Sioux City fame. This allocation made possible by KCHE-FM Cherokee's moving from 102.3 to 92.1. Window June 2 to July 2.

ME Boothbay Harbor 99.7B1 for A, WCMC. Site restriction 20 km north to avoid a short-spacing w/ WMMR 96.3 Rumford and WCYT 96.7 Rochester NH.

MI Bad Axe 102.1C2 for 92.1A, WLEW-FM, but must locate 15 km NW to avoid a short spacing w/ WDET 101.9 Detroit. Canada has concurred with this allocation. CFNY 102.1 Brampton (now licensed Toronto) ON has moved to a site that is no longer short-spaced to Bad Axe

NM Socorro 104.7C for 92.7A, KMXQ, but site must be 28.5 km NW to avoid a short-spacing with unapplied for 104.7C2 at Roswell, NM

TN St. Joseph 101.5A, June 7-Ju 7. Site must be 9.2 km NW to avoid spacing conflict with monophonic station WFM-FM 101.1 Cullman AL

TX Atlanta 99.7C2 for 99.3A, KPYN. Denied James A. Reeder's petition to reconsider this action, who wanted 99.7C1 in lieu of 100.1A at Shreveport LA, and modification of the KCOZ Shreveport license to specify 99.7C1. Reeder, however, has taken the matter to the Court of Appeals, making the grant at Atlanta "conditional."

MN Pentwater 94.1A, James J. McCluskey. He is one of two applicants for the other Pentwater channel, 103.1A. By assigning its frequency, a hearing can be avoided; June 9, 24

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June, 1985

FCC FM

KETX FM "advanced only its private economic interests in support of a waiver." The FCC agreed with KTFKA, dismissing the application for short-spacing, saying it has never granted such a waiver at the radio-max stage, *tting Portland, Tennessee* 92.5C2 601 (1972); and *Toms River, New Jersey*, 43 FCC 2d 414 (1973), and it went on to say that KETX-FM failed to prove that a transmitter's site was not available at the new location.

TX Morton, James S. Bumpous' petition for 97.7C1 dismissed because he failed to supply comments that he would apply for the channel if allocated

VT Cenara 94.1A, June 7 July 7. VT Marlboro 101.5A, site restriction 2.7 km NW, to avoid short spacing with WLKW-FM Providence RI.

Readers' Reports

"I cannot understand your tremendous hostility against AM. Why don't you just ignore it and let things be while normal folks continue to enjoy it?" writes Steven Garren. "It will probably be around a lot longer than you. If it were not for the few religious and classical stations on FM, it would virtually be a cesspool of rock music from one end to the other. The quality of a given radio band consists of more than its technical merits alone. While new age music may seem to be a 'welcome and interesting trend,' what it represents is anything but that, if you will take the time to investigate it and see for yourself. Since you insist on dumping the American system of measurement, which has served us so well for so long, in favor of metric, then you need not expect me to be a regular purchaser of the FM at any longer. Anyway, wth the overcrowding of the band, DXing is becoming closer to impossible... WPS W.M. is '88.5, not 91.7.' [My answer is that the inches, feet, etc. system, whatever it's called, is not an 'American' system but something inherited from England; also does WPS broadcast in stereo?]

Both the CBC and CTKO stations are told to get on with it and license stations they've long had c/o for. "In the decision renewing the radio-telephone license for the CBC, the [Canadian] Radio and Telecommunications Commission told them to get on with establishing transmitters which have been approved by the CRTC, some for as long as 10 years. The CBC said they would be happy to if someone supplied the money. They were also told to expand the network. Much laughter," writes Walter Petton. "Your March column showed a new BC Burns Lake CIBC 4 107.5. Supposedly this was deleted before beginning broadcasting. If not, what about Houston 105.5 and Smithers 96.1 which were also to have been CIBC-FM rebroadcasters and which were cancelled by the same announcement? Since CIBC-1 is in Vanderhoof there would be room for them, judging by the CIBC 4 call." Not sure, because it is possible I extracted information from an older source than what you have, Walt, so I will leave things as shown in the March VUD until I hear otherwise. He also shows calls granted for a V2005-FM Pemberton BC, a CIRK 97.3 Edmonton AT rebroadcaster. Station news he sent will be in next month's VUD and this month's FMedia. He also sent word on several BC stations applying to relay CBYG 91.5 Prince George instead of CFPR AM Prince Rupert, as well as several wanting to defect to CBTX 88.9 Kelowna from CBU AM Vancouver, while CKKS 96.9 Vancouver applies for a Chinese SCMO. Not known if 67 or 92 kHz would be utilized.

No official word on facilities granted or actual city of license, but CFMX 103.1 Cobourg ON given the nod for the 96.3 frequency with transmitter in Mississauga ON. Station would

Join Gus for a DXpedition

June, 1988

Join Gus for a DXpedition bring CFMX's far-arts signal into the western side of Toronto. CFMX is a c'med to be the only commercial classical music station in Canada, a fact which I dispute, because there is CJBR-FM 101.5 Rimouski, programmed by the CBC, but nevertheless a commercial station. The CRTC denied several competing applications for the same die spot, and denied another application for 92.5 in Toronto Hamilton. No word on whether there are any surviving applications for 92.5, except for CIRV Toronto, which wants to get off its interference-paged 88.7.

In other shakin' news, the CRTC denied the much-heralded frequency swap between all-news CKO-FM 99.1 and CKEY 590 AM Toronto. CKO-FM 2, whch is identified in the news incorrectly as "CKO," had hoped the swap, which would have netted them \$4 million, would have enabled them to start all-news stations in Winnipeg, Regina, St. John's and Saint John. Now, the CKO stations will have to alter plans, expressing disappointment at the decision. CKO was accused of not building its complete network, even though it promised to do so when it was licensed for in 1976. Despite repeated promises, CKO has been a laggard, giving it much in common with the CBC. See note about Belleville and Brockville ON, p. 93 FM Atlas-11, for CBC stations not a-budding.

CKEY's desire to invade the FM band was also looked at by the Canadian regulators, saying "CKEY's music format would not have significantly increased the diversity of what is available on existing FM stations in the Toronto market."

SCMO-purveyor CKFM 99.9 Toronto could go down the tubes if the CRTC has its way. Main carrier has been accused of playing too many "hits" per hour. No more than half the station's programming time should be devoted to top-40 hits, and 20 percent of their music programming must be Canadian. Unlike other broadcasters faced with similar problems, CKFM is said to have gone slow to change its music policy, even in face of CRTC concerns, and "has shown no contrition." Station was to have faced a CRTC hearing May 26. More on this as we find out.

Gus Mancuso sent local Washington DC Arbitron ratings. "Local AMs did very poorly with WWD 1260 and WCTF 730 failing to make the list... We have changed plans for my Super DX week." Will be doing the bandstand from NJ, not Ohio. We'll be staying at Clarion (formerly Hilton) Hotel in E. Windsor NJ, just off turnpike. W. I. will be going in mid-July, from a Monday to a Thursday night. Would appreciate a plug in June VUD col. min! Other members we come to join us must go Dutch, of course. As to something to do in daytime, Great Adventure Amusement Park nearby. The strategy is to stay one night on each side of home for optimum reception, shooting for 175 stations. Got new Atlas yesterday. Maps better." In the rains Gus sent, WGAY 99.5 is No. 1 with 8.1, then WKY 93.9 tied with WMAL AM at 6.2, WMZQ 98.7 5.5, and WAFA-TV 105.1, WYD-FM 101.1 and WUR 96.3 tied at 5.2. John Ebeling says the June "Radio-Electronics" has a good article on FMX.

Eilon Luoma just returned from three months in Alberta, where he enjoyed the Olympics in Calgary. "About two weeks ago we went up to Edmonton and visited every radio station there. Edmonton has the most friendly radio stations of any major city in Canada. It's got Vancouver radio stations beat a hunk.

As a station fades in stereo, SCA soon follows. Sensitivity? 10 dB or 10 microvolts is a guess for usable SCA sensitivity." Then he asks if I know of any other TV subcarriers besides



FCC FM Do \$65 Million FM Stations
the video, stereo and SAP? Yes, there's the professional channel,
or "pro channel." It is at 102.271 kHz on the TV audio carrier.
I don't know of any stations regularly using it.

Rich Foreman, NY, sent information from "Broadcast Banker Broker" newsletter, showing his firm in 16th place nationally in radio stat on deals. The five stat-on sales in which he was broker amounted to \$15 million. First on the list was the team with 16 sales and \$351 million, for clients by Backstrom & Co., Dixie Burnham, Chapman and American Estates, wire by Paul Kujar Associates, Carmel CA.

Associates, Cambridge, Mass.

Frank Aden sent word that KKIC AM returns to the air at 5:30 a.m. on Saturday, Sept. 10, from its new studio at 1000 W. Florissant. Emmett DL, joining co-owned KJHY 101.7 (see above), "Non!Ds," for problems KJHY is having or has had). Eric Buechner sent a complete St. Louis area radio-TV station list, including noting some stations as having directional antennae. One of his notes reads: "WBIB has two translators in the St. Louis metro area W211AD Granite City IL on 90.1 (directional to protect KBDY) and WLCA on 89.9 m., KRSR on 90.1 and KWUR on 90.3, and W288AW Alton IL, on 105.6 (directional to protect KSTZ on 105.7 m.)." Eric also sent some TV news, which I assume went to Bill Fabbri as well. For a copy of *its* next issue send an SASE to

St. Louis Radio-TV List, % Err.

Bueneman

836 Lamplight Lane

Hazelwood MO 63042 3401

NY area ratings sent by Paul Mount. They show WHTZ 100.3 first with a 6.2 and WWPR 95.5 declining to No. 8 at 4.1. WINZ AM is second overall, then WPAT-FM with a 4.7. He's sent advance word that WQHT 103.5 and WYNY 97.1 will change frequencies. Move could help WYNY, which is at 14th and a 3.0, while WQHT is tied for fourth (along with WLWT and WBLS) at 4.6. It creates this equation: New age = The wave # / New Wave \in Modern Rock.

W. R. McIntosh sent some news items about FM from the "Los Angeles Times." One concerns CA's Noble Broadcast Group.

Los Angeles' KIIS, paying \$65 million for KMJQ 102.1 Houston TX. This is a record price for any one FM station. It is also buying KMJM St. Louis for \$16 million and WMHE Toledo for \$19 million. This \$65 million price would eclipse the previous FM record of \$43 million paid for KJOL 98.7 Los Angeles. Noble also owns XETRA FM Tijuana, which the article incorrectly identifies as a "San Diego" station. Noble's sole owner is John Lynch, who has developed the firm into becoming one of FM's largest groups. He's financing the purchases through Prudential-Bache Securities, Toronto-Dominion Bank, Bank of New Eng. and Mutual of New York. With plans to be announced soon to buy five additional stations. A person who had been at the NAB told me that the convention is now largely occupied by firms offering venture capital to folks wanting to buy radio (and TV) stations.

KWTW(94.7) owner, Metropolitan Broadcasting and NY-based Silberman Acquisition Corp are merging, to the tune of \$300 million. KWTW's "New Age" programming is questioned. After an initial spurt of success, the format's performance has leveled off recently, prompting some industry sources to question its long-term prospects. Metropolitan is said to have a considerable debt because of the high price it paid for KWTW, plus operating losses. Amount of the debt, however, was not revealed.

Another article I sent is about nighttime rock radio on L.A. and the zany promotions the stations use to lure listeners. "The

ations QSL Well?

June 1988

strategy is to get the older, 25 plus audience involved in the show. It's a critical demographic audience, because if you can add the numbers to your teen numbers, you can really make yourself very attractive to advertisers," says Jeff Pollack, radio consultant. Here are some examples. KROQ has an "I hate my Ex" feature in which he surprises old flames by putting them on the phone with disgruntled former girl or boyfriends. KIIS-FM offers unsolicited pick up advice, and an audio ranking of the erotic charms of the girls in a graduating class. KMPC-FM offers a "pot shots" feature, where employees can call in to complain about the bosses or co-workers. Ratings for the latter show, however, are said to be "dismal."

Ratings in L. A. remain about the same, with KPWR 105.9 tops at 7.5, followed by KIIS-FM 102.7 6.9, KABC AM 5.5, KOST 103.5 4.3, KJCI 4.3, KLOS 95.5 3.8, KROQ 106.7 3.7, KBIG 104.3 3.4, KTLA 101.1 3.7 and KFWB AM 4.2.

R. H. Perrin says WPKM 106.3 Scarborough Portland ME (formerly WDCS) is still class.cal, with gospel after noon, and "no sign off at midnight. Seems to have dropped Mutual news on the hour."

And that's all the VUD-type news I have for this month. The above is unduplicated from FMedial Now, to fill, I'll run the following, which appeared in the May FMedial newsletter

More Small-Print Happenings and FM Industry News

NAB and FCC reach accord on FM translator "abuses" on eve of NAB convention in Las Vegas. No details specified, and I am suspicious of what they've agreed on, knowing the lunching, politicking, etc. that has gone on between the two bodies. **NAB Radio Board Chairman Jerry R. Lyman**, at the convention: "Improvement of the AM band and protection of the FM band from frivolous and irresponsible spectrum policy is your NAB Board's message to government. We just can't allow the quality of our transmission to be undermined by regulatory apathy to the facts. The public will not be served by more low-power signals, or new FM allocations shoe-horned into an existing band. We do not want the same destruction, done to the AM band,

visited upon FM."

Broadcasters speaking out so far in favor of translators are John LaTour, Power duPree Broadcasting, and Dan Kelley, KISZ-FM Cortez CO. LaTour says 42 FM translators and points out that the "Impact of

Latour owns 45 FM translators, and points out that "the impact of translator-delivered stations is inconsequential in the top 50 markets," and in smaller markets they supply "diversity, such as classical music, or Christian contemporary. Latour, who probably knows more about what's happening on the translator front than almost anybody else, thinks the FCC's outlook toward low-power FM is "more positive than it has been in the past." He met with FCC "bigs wigs" in February, and is optimistic that FM translators would be given the option of switching over to more fulltime programming, as happened with LP-TV, "although this is by no means a sure thing." Kelley, who does not own a translator, mentioned that his market gets service from Albuquerque NM via translators, but they are no competition, since his own full service station stations like it are the ones showing in the ratings. Next text of the inquiry has yet to be released by the FCC, and in the meantime it's questionable whether applications for major facilities changes in existing translators can take place, with one unofficial source saying "no." If the freeze lasts, or translator rules become more restrictive, existing translators could become more valuable, having somewhat of a "grandfathered" status.

Under a further rule-making the FCC would make it possible for translators 88-92 m λ not owned by the primary station to pick up signals.

such means as satellite. FCC would also allow a "secondary authorization" such as studio-transmitter link in the microwave frequencies. This secondary authority would be similar to that which we recently provide for use...in conjunction with FM booster stations." In this context, the FCC has allowed "experimental authority" for a high-power FM booster on 100 MHz in Milwaukee, or "WBZ-FM 100.7 Racing WI," to use a 250-watt transmitter with 2000 watts ERP at 91 meters HAAT, in downtown Milwaukee, yet it carries the main signal by microwave. Some interference has been found between the main and booster signals, requiring "real close tailoring" to the coverage area.

A second experimental booster is expected to be filed for in a Milwaukee residential area, as well, as for a Denver experimental booster of KHMH 94.7, Boulder CO. Another application is for a 100 watt booster of KTLA 93.3 FM, Los Angeles, to be located in Newhall CA. Watch other "alrite" stations simultaneously on other boosters.

FCC announces a revised form to use in applying for FM boost stations, including the new high power boosters, and it announced something new—televison booster stations. Boosters operate on-charge and can't be owned by the primary station. A new form for the filing of FM booster or translator station applications is the March, 1928 edition of FCC form 349.

One station that could become a major player in the national translator scene is KILA "90.5, now winging its sounds over Satcom's 3 transponder 4, discrete stereo channels 6.3 and 6.4." God has told us to do a new thing with His station from Las Vegas," with five goals listed: "to reach people through cable systems, home satellite systems, radio stations, Japanese and converted stations (by simulcast) and eventually, through translators."

NORTHERN FM-DX

REG. U.S. PAT. & T. OFF.
520 MADISON DRIVE
NEW YORK, N.Y. 10022

SCOTT FOLLY'S REPORT

JUNE 1988

JUNE 1988

SCOTT FOLLY'S REPORT

THE RECORDS READER - CONTINUED

JUNE 1987 (CONT'D)

Mo 4 Es
 1055 WBVE 96.1 SD Havana
 1055 WZFX 94.1 NC Whitey Lee "Toxy 93"
 2105 WNFT 99.3 FL Paratka "I-100"
 2110 WZAT 101.1 GA Savannah "I-101"
 2110 WNSI 98.7 NC Greensboro, Kiss-FM, "Pillow-Talk" (I think it was WYZK-SC. See my comments.)
 2135 WBAM 98.9 AL Montgomery "Bam-99"
 2145 WPIQ 101.5 GA Brunswick "I-101-D"

1150

Mo 8 SW
 2005 WOMI 95.3 ME York-ac ("Transtar Net." // WXJY 96.3) "I-95.3"

41

Sa 13 Es
 1945 KFDI 101.3 KS Wichita, K "Radio Ranch" (good heavy compression like WKCG)

Su 14 Es
 1640 WFFX 95.7 AL Tuscaloosa, "Fox-96-FM"
 1650 unID 105.1 k (transtar) "K-105"
 1920 [KCPW] ("Power 95") and KLSI in 1300
 1925 KFKF 94.1 KS Kansas City
 1940 KZZC 98.9 KS Leavenworth "98.9 pure gold"
 1940 KMZU 101.1 MO Carrollton

1300
1300
1300

Mo 15 Es
 1950 WIZM 93.3 WI LaCrosse 1075
 1950 unID 94.9 "Power 95 FM" (don't think NC, this sounded more r & dance) (that was KCPW's format when I heard them-ac)
 2000 WFPR 102.7 IN Terre Haute 925
 2010 WLRL 101.3 IL East Moline
 2010 WNCO 101.3 OH Ashland
 ? unID 101.1 KXIA? calls sounded clear
 2015 unID 94.9 IL? "in Chapman" (sounded like local address)
 2015 KQDO 94.3 IA Des Moines (prev. tentative) 1200
 2020 WEZL 103.5 SC Charleston (Scott, note call correction-ac)
 2030 unID 103.5 St. Louis BB
 2050 WMT 96.5 IA Cedar Rapids 1100
 2100 KDMI 97.3 IA Des Moines 1200
 2105 unID 106.1 "adult rock-0-106" (WFXD222-ac)
 2110 WK 105.5 IL Granite City
 2115 KMIM 107.7 MO St. Louis, r & b, "Magic 108"
 2120 WDNL 102.1 IL Danville

Mo 22 Tr
 0105 New Haven & Portland in trouble
 0110 WPDH 101.5 NY Poughkeepsie 170
 0175 WEBE 107.3 CT Westport 159
 0330 WTHH 101.9 ME Portland still in FM 103' 84
 0405 WPYX & WGNA Albany (first time in Beverly for Albany)
 0435 WHTZ & WCBS(NY)

Mo 29 Es
 2045 WTUX 98.3 TX Carthage, r & b on "The Fox-99"

1500

JULY 1987

Tu 7 Es
 1825 WNKL 96.5 SD Sioux Falls
 1830 WZQH 105.1 LA Lafayette

1300

Mo 17 Es
 1900 WAWL 91.5 SD Sioux Falls 8

 Mo 21 Es
 0055 unID 94.1 NJ & acc (included NJ) Diamond. Certain was 94.1+
 0100 WFNZ 93.1 NJ Zarepath
 0110 WTDC 105.1 ME Skowhegan
 2110 WHDY 106.1 NY Patmos
 airwaves extremely noisy from N to S

 Mo 22 Es
 950 WBRN (94.1 ME) (Hartford)
 1000 WHDY 106.1 ME Worcester (went from steady & strenuous to nil within a minute. See also in the next item about airplane scatter-ac)
 1145 WWDF 101.7 VA Hampton
 1155 WTET 101.1 VA Northern Va

 Mo 24 Es
 0145-0155 NEW YORK AREA: 101.1, 107.5, 120.1, 127.9, 100.3, 98.7, 97.1, 95.5
 0150-0200 101.1, 107.5, 120.1, 127.9, 100.3
 0200-0210 101.1, 107.5, 120.1, 127.9, 100.3
 0210-0220 101.1, 107.5, 120.1, 127.9, 100.3
 0220-0230 101.1, 107.5, 120.1, 127.9, 100.3
 0230-0240 101.1, 107.5, 120.1, 127.9, 100.3
 0240-0250 101.1, 107.5, 120.1, 127.9, 100.3
 0250-0260 101.1, 107.5, 120.1, 127.9, 100.3
 0260-0270 101.1, 107.5, 120.1, 127.9, 100.3
 0270-0280 101.1, 107.5, 120.1, 127.9, 100.3
 0280-0290 101.1, 107.5, 120.1, 127.9, 100.3
 0290-0300 101.1, 107.5, 120.1, 127.9, 100.3
 0300-0310 101.1, 107.5, 120.1, 127.9, 100.3
 0310-0320 101.1, 107.5, 120.1, 127.9, 100.3
 0320-0330 101.1, 107.5, 120.1, 127.9, 100.3
 0330-0340 101.1, 107.5, 120.1, 127.9, 100.3
 0340-0350 101.1, 107.5, 120.1, 127.9, 100.3
 0350-0360 101.1, 107.5, 120.1, 127.9, 100.3
 0360-0370 101.1, 107.5, 120.1, 127.9, 100.3
 0370-0380 101.1, 107.5, 120.1, 127.9, 100.3
 0380-0390 101.1, 107.5, 120.1, 127.9, 100.3
 0390-0400 101.1, 107.5, 120.1, 127.9, 100.3
 0400-0410 101.1, 107.5, 120.1, 127.9, 100.3
 0410-0420 101.1, 107.5, 120.1, 127.9, 100.3
 0420-0430 101.1, 107.5, 120.1, 127.9, 100.3
 0430-0440 101.1, 107.5, 120.1, 127.9, 100.3
 0440-0450 101.1, 107.5, 120.1, 127.9, 100.3
 0450-0460 101.1, 107.5, 120.1, 127.9, 100.3
 0460-0470 101.1, 107.5, 120.1, 127.9, 100.3
 0470-0480 101.1, 107.5, 120.1, 127.9, 100.3
 0480-0490 101.1, 107.5, 120.1, 127.9, 100.3
 0490-0500 101.1, 107.5, 120.1, 127.9, 100.3
 0500-0510 101.1, 107.5, 120.1, 127.9, 100.3
 0510-0520 101.1, 107.5, 120.1, 127.9, 100.3
 0520-0530 101.1, 107.5, 120.1, 127.9, 100.3
 0530-0540 101.1, 107.5, 120.1, 127.9, 100.3
 0540-0550 101.1, 107.5, 120.1, 127.9, 100.3
 0550-0560 101.1, 107.5, 120.1, 127.9, 100.3
 0560-0570 101.1, 107.5, 120.1, 127.9, 100.3
 0570-0580 101.1, 107.5, 120.1, 127.9, 100.3
 0580-0590 101.1, 107.5, 120.1, 127.9, 100.3
 0590-0600 101.1, 107.5, 120.1, 127.9, 100.3
 0600-0610 101.1, 107.5, 120.1, 127.9, 100.3
 0610-0620 101.1, 107.5, 120.1, 127.9, 100.3
 0620-0630 101.1, 107.5, 120.1, 127.9, 100.3
 0630-0640 101.1, 107.5, 120.1, 127.9, 100.3
 0640-0650 101.1, 107.5, 120.1, 127.9, 100.3
 0650-0660 101.1, 107.5, 120.1, 127.9, 100.3
 0660-0670 101.1, 107.5, 120.1, 127.9, 100.3
 0670-0680 101.1, 107.5, 120.1, 127.9, 100.3
 0680-0690 101.1, 107.5, 120.1, 127.9, 100.3
 0690-0700 101.1, 107.5, 120.1, 127.9, 100.3
 0700-0710 101.1, 107.5, 120.1, 127.9, 100.3
 0710-0720 101.1, 107.5, 120.1, 127.9, 100.3
 0720-0730 101.1, 107.5, 120.1, 127.9, 100.3
 0730-0740 101.1, 107.5, 120.1, 127.9, 100.3
 0740-0750 101.1, 107.5, 120.1, 127.9, 100.3
 0750-0760 101.1, 107.5, 120.1, 127.9, 100.3
 0760-0770 101.1, 107.5, 120.1, 127.9, 100.3
 0770-0780 101.1, 107.5, 120.1, 127.9, 100.3
 0780-0790 101.1, 107.5, 120.1, 127.9, 100.3
 0790-0800 101.1, 107.5, 120.1, 127.9, 100.3
 0800-0810 101.1, 107.5, 120.1, 127.9, 100.3
 0810-0820 101.1, 107.5, 120.1, 127.9, 100.3
 0820-0830 101.1, 107.5, 120.1, 127.9, 100.3
 0830-0840 101.1, 107.5, 120.1, 127.9, 100.3
 0840-0850 101.1, 107.5, 120.1, 127.9, 100.3
 0850-0860 101.1, 107.5, 120.1, 127.9, 100.3
 0860-0870 101.1, 107.5, 120.1, 127.9, 100.3
 0870-0880 101.1, 107.5, 120.1, 127.9, 100.3
 0880-0890 101.1, 107.5, 120.1, 127.9, 100.3
 0890-0900 101.1, 107.5, 120.1, 127.9, 100.3
 0900-0910 101.1, 107.5, 120.1, 127.9, 100.3
 0910-0920 101.1, 107.5, 120.1, 127.9, 100.3
 0920-0930 101.1, 107.5, 120.1, 127.9, 100.3
 0930-0940 101.1, 107.5, 120.1, 127.9, 100.3
 0940-0950 101.1, 107.5, 120.1, 127.9, 100.3
 0950-0960 101.1, 107.5, 120.1, 127.9, 100.3
 0960-0970 101.1, 107.5, 120.1, 127.9, 100.3
 0970-0980 101.1, 107.5, 120.1, 127.9, 100.3
 0980-0990 101.1, 107.5, 120.1, 127.9, 100.3
 0990-1000 101.1, 107.5, 120.1, 127.9, 100.3
 1000-1010 101.1, 107.5, 120.1, 127.9, 100.3
 1010-1020 101.1, 107.5, 120.1, 127.9, 100.3
 1020-1030 101.1, 107.5, 120.1, 127.9, 100.3
 1030-1040 101.1, 107.5, 120.1, 127.9, 100.3
 1040-1050 101.1, 107.5, 120.1, 127.9, 100.3
 1050-1060 101.1, 107.5, 120.1, 127.9, 100.3
 1060-1070 101.1, 107.5, 120.1, 127.9, 100.3
 1070-1080 101.1, 107.5, 120.1, 127.9, 100.3
 1080-1090 101.1, 107.5, 120.1, 127.9, 100.3
 1090-1100 101.1, 107.5, 120.1, 127.9, 100.3
 1100-1110 101.1, 107.5, 120.1, 127.9, 100.3
 1110-1120 101.1, 107.5, 120.1, 127.9, 100.3
 1120-1130 101.1, 107.5, 120.1, 127.9, 100.3
 1130-1140 101.1, 107.5, 120.1, 127.9, 100.3
 1140-1150 101.1, 107.5, 120.1, 127.9, 100.3
 1150-1160 101.1, 107.5, 120.1, 127.9, 100.3
 1160-1170 101.1, 107.5, 120.1, 127.9, 100.3
 1170-1180 101.1, 107.5, 120.1, 127.9, 100.3
 1180-1190 101.1, 107.5, 120.1, 127.9, 100.3
 1190-1200 101.1, 107.5, 120.1, 127.9, 100.3
 1200-1210 101.1, 107.5, 120.1, 127.9, 100.3
 1210-1220 101.1, 107.5, 120.1, 127.9, 100.3
 1220-1230 101.1, 107.5, 120.1, 127.9, 100.3
 1230-1240 101.1, 107.5, 120.1, 127.9, 100.3
 1240-1250 101.1, 107.5, 120.1, 127.9, 100.3
 1250-1260 101.1, 107.5, 120.1, 127.9, 100.3
 1260-1270 101.1, 107.5, 120.1, 127.9, 100.3
 1270-1280 101.1, 107.5, 120.1, 127.9, 100.3
 1280-1290 101.1, 107.5, 120.1, 127.9, 100.3
 1290-1300 101.1, 107.5, 120.1, 127.9, 100.3
 1300-1310 101.1, 107.5, 120.1, 127.9, 100.3
 1310-1320 101.1, 107.5, 120.1, 127.9, 100.3
 1320-1330 101.1, 107.5, 120.1, 127.9, 100.3
 1330-1340 101.1, 107.5, 120.1, 127.9, 100.3
 1340-1350 101.1, 107.5, 120.1, 127.9, 100.3
 1350-1360 101.1, 107.5, 120.1, 127.9, 100.3
 1360-1370 101.1, 107.5, 120.1, 127.9, 100.3
 1370-1380 101.1, 107.5, 120.1, 127.9, 100.3
 1380-1390 101.1, 107.5, 120.1, 127.9, 100.3
 1390-1400 101.1, 107.5, 120.1, 127.9, 100.3
 1400-1410 101.1, 107.5, 120.1, 127.9, 100.3
 1410-1420 101.1, 107.5, 120.1, 127.9, 100.3
 1420-1430 101.1, 107.5, 120.1, 127.9, 100.3
 1430-1440 101.1, 107.5, 120.1, 127.9, 100.3
 1440-1450 101.1, 107.5, 120.1, 127.9, 100.3
 1450-1460 101.1, 107.5, 120.1, 127.9, 100.3
 1460-1470 101.1, 107.5, 120.1, 127.9, 100.3
 1470-1480 101.1, 107.5, 120.1, 127.9, 100.3
 1480-1490 101.1, 107.5, 120.1, 127.9, 100.3
 1490-1500 101.1, 107.5, 120.1, 127.9, 100.3
 1500-1510 101.1, 107.5, 120.1, 127.9, 100.3
 1510-1520 101.1, 107.5, 120.1, 127.9, 100.3
 1520-1530 101.1, 107.5, 120.1, 127.9, 100.3
 1530-1540 101.1, 107.5, 120.1, 127.9, 100.3
 1540-1550 101.1, 107.5, 120.1, 127.9, 100.3
 1550-1560 101.1, 107.5, 120.1, 127.9, 100.3
 1560-1570 101.1, 107.5, 120.1, 127.9, 100.3
 1570-1580 101.1, 107.5, 120.1, 127.9, 100.3
 1580-1590 101.1, 107.5, 120.1, 127.9, 100.3
 1590-1600 101.1, 107.5, 120.1, 127.9, 100.3
 1600-1610 101.1, 107.5, 120.1, 127.9, 100.3
 1610-1620 101.1, 107.5, 120.1, 127.9, 100.3
 1620-1630 101.1, 107.5, 120.1, 127.9, 100.3
 1630-1640 101.1, 107.5, 120.1, 127.9, 100.3
 1640-1650 101.1, 107.5, 120.1, 127.9, 100.3
 1650-1660 101.1, 107.5, 120.1, 127.9, 100.3
 1660-1670 101.1, 107.5, 120.1, 127.9, 100.3
 1670-1680 101.1, 107.5, 120.1, 127.9, 100.3
 1680-1690 101.1, 107.5, 120.1, 127.9, 100.3
 1690-1700 101.1, 107.5, 120.1, 127.9, 100.3
 1700-1710 101.1, 107.5, 120.1, 127.9, 100.3
 1710-1720 101.1, 107.5, 120.1, 127.9, 100.3
 1720-1730 101.1, 107.5, 120.1, 127.9, 100.3
 1730-1740 101.1, 107.5, 120.1, 127.9, 100.3
 1740-1750 101.1, 107.5, 120.1, 127.9, 100.3
 1750-1760 101.1, 107.5, 120.1, 127.9, 100.3
 1760-1770 101.1, 107.5, 120.1, 127.9, 100.3
 1770-1780 101.1, 107.5, 120.1, 127.9, 100.3
 1780-1790 101.1, 107.5, 120.1, 127.9, 100.3
 1790-1800 101.1, 107.5, 120.1, 127.9, 100.3
 1800-1810 101.1, 107.5, 120.1, 127.9, 100.3
 1810-1820 101.1, 107.5, 120.1, 127.9, 100.3
 1820-1830 101.1, 107.5, 120.1, 127.9, 100.3
 1830-1840 101.1, 107.5, 120.1, 127.9, 100.3
 1840-1850 101.1, 107.5, 120.1, 127.9, 100.3
 1850-1860 101.1, 107.5, 120.1, 127.9, 100.3
 1860-1870 101.1, 107.5, 120.1, 127.9, 100.3
 1870-1880 101.1, 107.5, 120.1, 127.9, 100.3
 1880-1890 101.1, 107.5, 120.1, 127.9, 100.3
 1890-1900 101.1, 107.5, 120.1, 127.9, 100.3
 1900-1910 101.1, 107.5, 120.1, 127.9, 100.3
 1910-1920 101.1, 107.5, 120.1, 127.9, 100.3
 1920-1930 101.1, 107.5, 120.1, 127.9, 100.3
 1930-1940 101.1, 107.5, 120.1, 127.9, 100.3
 1940-1950 101.1, 107.5, 120.1, 127.9, 100.3
 1950-1960 101.1, 107.5, 120.1, 127.9, 100.3
 1960-1970 101.1, 107.5, 120.1, 127.9, 100.3
 1970-1980 101.1, 107.5, 120.1, 127.9, 100.3
 1980-1990 101.1, 107.5, 120.1, 127.9, 100.3
 1990-2000 101.1, 107.5, 120.1, 127.9, 100.3
 2000-2010 101.1, 107.5, 120.1, 127.9, 100.3
 2010-2020 101.1, 107.5, 120.1, 127.9, 100.3
 2020-2030 101.1, 107.5, 120.1, 127.9, 100.3
 2030-2040 101.1, 107.5, 120.1, 127.9, 100.3
 2040-2050 101.1, 107.5, 120.1, 127.9, 100.3
 2050-2060 101.1, 107.5, 120.1, 127.9, 100.3
 2060-2070 101.1, 107.5, 120.1, 127.9, 100.3
 2070-2080 101.1, 107.5, 120.1, 127.9, 100.3
 2080-2090 101.1, 107.5, 120.1, 127.9, 100.3
 2090-2100 101.1, 107.5, 120.1, 127.9, 100.3
 2100-2110 101.1, 107.5, 120.1, 127.9, 100.3
 2110-2120 10

100-101-3 REPORT - PLINT NEED

SU AUGUST 2013 13
 2250 110 05.7 10 1000 20
 2100 (KRY) 00.7 10 5000 5000 1000
 2115 075 30.7 10 1000 1000
 2145 WD71 05.1 10 1000 1000

Fri 14 Tr
2050-0710: Many NYC area reboos
0140 WNDI 102.3 , or EZ (CT) , (maybe, they're now WVVE-The Wave-92)
2045 WPDH 101.5 NY Poughkeepsie (also on Saturday) 170
2125 WRKI 95.1 CT Brookfield 149

Sa 15 Tr
0120 WAWZt 99-1 N.I. Zarepath 235

Fr 21 Es
2140 WNW 88.7 H Serpent Island

Su 30 Es
1020 No IDs (36.5—"American Top 40"), TV virtually clear!

Mo 31 Tr
 0110 WRNS 95.1 NC Kinston, NC (Nice catch! -ed)
 0120-0320 Philly & NYC rebores
 0140 WJRZ 100.1 NJ Manahawkin
 0150 WKHI 99.9 MD Ocean City
 0150 WBAB 102.3 NY Babylon
 0220 WWdet 101.3 VA Hampton
 0300 WFME 94.7 NJ Newark
 0300 WAQB 95.9 NJ Point Pleasant
 0300 WYWVE 1102.3 CT Stonington
 0300 WIDQ and WDAS Philadelphia
 0320 WMJY 107.1 NJ Long Branch, "Y-107"
 0320 WEAZ 101.1 PA Philadelphia
 CT in \$trong, time for Z's
 0715 Philly a little stronger
 1920 airwaves unstable, but within New England
 2020 WMAS 94.7 MA Springfield
 2020 WHFM 93.1 MA Springfield
 2020 WOL-FM 95.5 NY

2030 WPLJ 95.5 NY New York
 2030+ Philly reissue: WwDE, WWSL, WNFZt, WEAZ, WDAS
 2105 NYC reissue: WRMS, WFME, WHTZ, WCBS, WBLS
 2110 WJRW-NJ 100.1 + unID 100.1 (WQVR?)
 2115 WEAZ & WCBS at one point, the only two together! (Like being on
 East Coast of New Jersey)
 2120 WAXWt101.5 NJ Trenton
 2130 WEGXJ106.1 PA Phladelphia + tent WBLI
 2145-2215: WNSR .05.1 New York and WSNI & WYEP from Philly
 2130 South dyng down, but Portland suddenly in near strength
 2240 WIND 97.7 MA Wachendon (st) strongest ever here!
 2255 WILI 98.3 CT Willimantic
 2300 Hor zon appears to have shrunken but intensified:
 CT in near local strength

SEPTEMBER 1987

To 1 Tr 0120 except for some weak E. wCIB 100.3 and Cape Cod n & cut off local strength. South is dead. Pintail & Huskustu up or near strong.

Sat 5 Tr
1025 A ripples in sea from time to time all day. Conditions settling up.
1055 WwW 95.5 F P P D 1000 ft. 1000 ft.
1110 WwW 93.5 MD 1000 ft. City
1145 EEE 97.5 WEE 1000 ft. wavy.

100-0 - REPORT - CONTINUED

2000 ATCH & WASH NAV. BOTT. WEEK, 10TH RE-ORGANIZED
2004 VINT. 1903, AND 1905 PHILADELPHIA

卷之三

WBZ-TV 4, WNEW 4.7, WMSS 95.7, WDRC 102.9, WIOF 104.1, WHCN 105.3,
XTRA 106.1, WZL 107.1, WMBZ 107.5, Creative Total (image based on FM band)

Bases of Surveyability

29	19				
2013	WBR	37.5	NY	Patterson, (in store at 2120)	
2012	WBR	100.	NY	Entomologist	
2015	Monk	20.0	NYC	WTFB	
2014	WBR	101.7	NY	Southold	
2010	WBR	107.1	NY	Hampton Bays (almost \$ strong)	
2014	WBR	101.1	NY	Sea Harbor	
2014	WBR	105.7	NY	Southold	

WF 107.5
0120 WYNZ 100.9 ME Westbrook
0125 CIZ 101.5 NB Fredericton, CBC
0130 CFM 102.7 NS Halifax, CBC // CBZ (101.5)
0130 LCN 100.5 NB St. John's // St. John's newest FM K-100
ME 100.9 (101.5) 103.0 Dartmouth, cut

JULY 1985 387

13-0-Subj. 103 - Boston, Mass., 17-1-55, 12-15, 1955, etc.

11-12-1944 1400Z - STRONG; some CTs w/LLW-L05.1 in rear \$ strong.
11-12-1944 1400Z - STRONG.

1. 12 1
2. 12 1
3. 12 1

SM-A 04
TITLE #8073 321-3 Kristen - New "Country Favorites-93"

Ralph Strobel's report continues:

January 1988

2 AM WEQR 96.9 FM Port Chester, "...in New York..." 540
3 AM WXTG 91.9 SC Charleston, "...Charleston..." 625
1:12 WAIV 96.9 FL Jacksonville, "...as s. As rapidly as Jacksonville 750
is growing, that continues to be a major..."
4 AM WAIV 96.9 FL Jacksonville, "...WAIV..." 750
0140 WXTG 96.9 SC Charleston, "...WXTG..." 625
2:12 WFPG 96.9 NJ Atlantic City, "...FM-97 WFPG. We just heard Good 570
Morning Heartache from our custom library..."
???? WEQR 96.9 NC Goldsboro, "...this week's delivery. HQ..." 540
0513 WAIV 96.9 FL Jacksonville, "...97-wave's accu-weather for Florida's 750
Gulf Coast...partly sunny with a high of 55. Right now, we're at 45
degrees at 97-wave - WAIV..."
???? WXTG 96.9 SC Charleston, "...and tomorrow, highs increase again, 625
with high retting up to around 48..at 8:06 this morning. Right now it's
37 at North...and 38 downtown at 96.9 WXTG-FM. Charleston's Lite Rock, 97-M."
???? WAIV 96.9 FL Jacksonville, "...AIV..." 750
2?? unID 96.9 ?? ? "...Just east of Saint Johns on..." ??
???? WAIV 96.9 FL Jacksonville, "...Right now in Jacksonville..." 750
???? WINK 96.9 FL Fort Myers, "...uh huh, Wink-FM, uh..." 959
???? WLHQ 96.9 AL Enterprise, "...Q-97 minute..." 625
(All this was taped while I was sleeping. My reel to reel at slow speed
caught all this. Too bad all I got was relogs. Where are the 96.9's I need?)
6 AM WRMB 89.3 FL Boynton Beach, g\$, news, wx, temperature was 69° 1020
2200 WQCS 88.9 FL Fort Pierce, c\$ 975
13 AM 1951 KDHX 88.1 MO St. Louis, gave address, asking for donations also 300
20 MS 0058 WMAS 89.5 MS Booneville, "...Biloxi 90.3 MHz, with an effective 450
ra..." (Public Radio Mississippi s/off)
21 AM 1948 KGNZ 88.1 TX Abilene, "...on KGNZ..." (Previous Es) 970
February 1988
11 AM 1759 WVHP 89.9 WV Wheeling, strongest toward Wheeling, not Huntington, WV 225
18 AM 1218 WHSK 98.9 IN Kokomo, ex-89.1, 10 watts, c mono at noon, o/WKSD/WSLM 38
March 1988
2 AM 1255 KKPR 98.9 NE Kearney-Grand Island-Hastings, "...Olivia Village - 720
Olivia Village in the Conestoga Mall - Grand Island..."
(I wrote this station, but no reply. I then called information to Grand
Island, NE. Yes, this city does have a Conestoga Mall, so what else?)
1611 unID 98.9 ?? ? "...FM. It's 2:11. This is Max Miller..." (Who?) ??
23 AM 0121 KMZU 101.1 MO Carrollton, "...in Carrollton..." (Previous tr) 430
April 1988
6 AM 0200 KENW 99.5 NM Portales, "...New Mexico 88130. Toll free..." 1072
7 AM 0859 WINK 96.9 FL Port Myers, "...Port Myers, home of the..." 959
23 AM 0335 WDIZ 100.3 FL Orlando, r\$, This station gradually faded in for 800
one minute and 15 seconds o/WKCI Oak Ridge-Knoxville by tr. I tared the
following - "...DIZ with some new stuff. That was 'Cf roots.' By request,
we have some Bon Jovi on DIZ Orlando's Rock and Roll Radio Station." The
music began and gradually faded away into the static. "There was no meteor
scatter or LS activity" at the time, so it had to be tr. "This is a distance
record. Nothing else new from here. Have a nice day, everyone!" 3, Ralph S.

GO ON TO THE NEXT PAGE →

MARSHAL FM EX

JUNE 1988

GREG CONKLIN 500 GLENWOOD DRIVE WILLIAMSVILLE, NEW YORK 14221

EQUIPMENT: PIONEER X-10100 TURNER WYRAD 100' SHACK FM-5 STUNTED 10' AG. ON
ROOF. ARCHITECTURE & CS OAH LEADIN USED.

APRIL 1988

16 Trs
1830 WPHN 90.5 MI Gaylord, wx, ID, s 325

17 Trs
0934 CJFM 95.9 PQ Montreal, 'FM 96', local ments.
0948 WSCP 101.7 NY Pulaski, s/o/local WBTF Attica 135
0958 CHE7 106.1 CN Ottawa, FF until 1000, then into EE 229

19 Trs
1824 WKST 91.7 OH Columbus, r, 92-X" 315

21 Trs
STRONG LOCAL CHRE 105.7 ON VERY LOW POWER (about 10 watts)

1800 WMJI 105.7 OH Cleveland, r, "Majic", legal ID, LOUD 189
1807 WDXA 105.7 PA York, r, local ads, slogans: The Q, and Q-106 279
1809 WMRV 105.7 NY Endicott, a/c, legal ID taped later 150
1842 CFBL 105.7 PQ Laval, FF 308
1707 WDXR 105.9 VA Woodbridge, rock oldies, 105.9-CXR 314
2012 WHCN 105.9 CT Hartford, rP, new state (#33), 1st New England 314

23 Trs
1141 WRKZ 106.7 PA Hershey, R 220

MAY 1988

6 AM & Tr

AM in morning, unids 90.3, 91.9, and 93.1
1750 WDXC 99.9 PA Erie, r, "CLASSY 100", legal ID said:
'50.000 watt voice of the Tr-State" so that CP must
have been completed. Over local CKFM Toronto.
1811 WJET 102.7 PA Erie, r, "JET-FM-102", between super-strong
local WMJO 102.5 & strong local CFNY 102.1 93

8 AM

1705 WPZW 95.7 OH Piqua, ID o/WERF. Heavy thunderstorms were
in that area at the time 354

10 AM

1807 WYPT 92.7 MD Baltimore, traffic report. Finally heard
over normal mix of WRRN/WRDC/WVAE 285

COMMING:

Scott Hood: I forgot to comment about your tentative WHSI logging. I
believe you heard WKYR in Beaufort, S.C. When I was in Myrtle Beach, I
heard them use that "Miss FM" slogan. They did have a program called
"Pillow Talk". I note you had WZAT Savannah as well. WKSI is more of
a top 40 station and does not have a "Pillow-talk".

No tail this season. The only good trop day noted by me was May 6. The
wind at 60 mph, which brought below normal temperatures, was dead for any
type of tropes. No skip noted yet (As of May 10th) either.

*** ***

73s,
GREG

IF YOU FINISH BEFORE TIME IS CALLED, YOU MAY CHECK YOUR WORK ON
THIS SECTION ONLY. DO NOT WORK ON ANY OTHER SECTION IN THE TEST.

S T O P

Television news

R. Feltner, Editor
Assistant Editor
Production Manager

AAT	Antenna height above ground
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North = 0)
BT	Beam Tilt
CIR	Circular polarization
CP	Construct or permit
CRTC	Canadian Radio television and Telecommunications Commission
DA	Directional antenna
ELL	Elliptical polarization
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+/-	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
z	carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST CH	ERP	HAAT	CITY/APPLICANT
GA 55	100	410	Cordele; Sunbelt-South Telecommunications Ltd.
LA 20	5000	951	New Orleans; Swan Broadcasting
NJ	9 47.9	1640	Secaucus; Whitley Communications (in contest with license renewal of WWOR-TV)
VT	44 5000	1243	Burlington; Burlington 44 Company
VT	44 5000	1248	Burlington; Burlington Channel 44
VT	44 3060	1373	Burlington; David McMeekin
VT	44 3360	1247	Burlington; Lake Champlain Communications Inc.
VT	44 5000	476	Burlington; Maple Leaf Broadcasting Ltd. Partnership
VT	44 1860	474	Burlington; Nichols Broadcasting Corporation
VT	44 5000	?	Burlington; Nophi Inc. (bad data)
VT	44 5000	1737	Burlington, Northeast Kingdom
WA	24	100	971 P. Imai, FNP Broadcasting Inc.

APPLICATIONS DISMISSED

CA	Covina; ch. 43; North Star Communications.
CO	Denver; ch. 50; Denver Communications, Ltd.
IL	Danville; ch. 68; CMM Inc.; George E Gunter.
LA	Newton; ch. 33; R. L. Brazil.
LA	Hammond; ch. 46; Hammond Broadcasting Inc.
NV	Paradise; ch. 9; "The 1st Broadcast Group" Inc., Nevada Broadcasting Group, Nevada 29 Inc., Wynn Communications Inc.
NY	Corning; Coyne & Cramer Inc. Ltd.
NC	Kinston; ch. 64; Kannapolis Television Inc.
TX	Austin; ch. 11; AT&T VSB Inc. Inc.

CONSTRUCTION PERMITS CANCELLED

ST CH	CALLS	CITY
CA 62	KGBB	Santa Rosa
GA 33	WTKV	Valdosta
ID 20	KMCV	Idaho Falls
KY 51	WEKT-TV	Pikeville
MN 26	KXBJ	Bemidji
MO 22	KMPT	St. Joseph
MT 23	KGCL	Missoula
NM 10	KCJA	Santa Fe
OH 55	WEYE	Hillsboro
PA 29	WXEK	State College
SD 21	KXRC	Rapid City
TX 30	KLMH	Odessa
VA 69	WRBV	Fredericksburg
WI 39	WWTL	Marshfield
WI 22	WTAH	Oshkosh

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST CH	ERP	HAAT	CALS	CITY
AR 25	4368	596	KVTV	Pine Bluff
MS 34	5000	367	WZZV	Magie (amended)
PR 68	89.1	1949	WVSN	Humacao
TX 49	5000	1178	KTFH	Conroe
TX 52	2619	1076	KFWO	Fort Worth
TX 23	640	1381	KHCE	San Antonio

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST CH	ERP	HAAT	CALS	CITY
CA 57	120	933	KITV-TV	Ventura
CA 25	41.5	2362	KCAH	Watsonville
FL 12	316	445	WEV	Key West
FL 12	140	191	WUOL	Paramount
IN 29	3090	774	WTTK	Kokomo
IA 61	1460	1304	KFTV	Des Moines
TX 21	400	648	WKYU-TV	Bowling Green
TX 42	131	420	KHLW	Odessa

JUNE, 1988

TELEVISION NEWS - page 2

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST CH	ERP	HAAT	CALS	CITY
AL 45	600	1011	WMCF-TV	Montgomery (cp)
FL 33	1181	1365	WHBR	Pensacola (cp; on the air more than 2 years and still no license)
IA 28	2316	672	KOCR	Cedar Rapids (cp)
LA 29	1260	1293	KVHP	Lake Charles (cp)
MA 46	5000	942	WHRC	SNorwell (cp)

CHANGES GRANTED STATIONS ON THE AIR

AR	Hot Springs; KRZB-TV, ch. 26; granted CP to raise ERP from 244.9 kW max to 5000 kW max; 902' AAT/46°; AG/141' ASL (48° lower ASL); TL Jack Mountain, 2.5 miles south of Hot Springs; coordinates 34°22'17"/93°02'16" (Az. 97°, 0.5 mile from present TL). Should be a remarkable improvement in coverage area and DX possibilities.
CA	San Jose; KICU-TV, ch. 36; granted MP to reduce ERP from 2735 kW max/406 kW hor to 664 kW max; 2015' AAT/335' AG/276' ASL (18° lower ASL); TL Monument Peak, Alameda County; coordinates 37°29'16".8°/121°51'58.9" (Az. 338°, or NNW, 0.24 mile from present TL). Should be a little reduction in signal strength.
GA	Atlanta; WPBA, ch. 30; granted CP for 1380 kW max ERP (Conflicting sources on present ERP; data base from Larry Fuss has 1380 kW already, but Television Factbook has only 776 kW); 1095.5' AAT/1032.5' AG/2016' ASL (39° lower ASL); coordinates 33°45'35"/84°20'07" (plot about 1/4 mile NNW of WXIA-II tower at 110 Arizona Avenue in Atlanta; Az 175°, or slightly east of due south, 3.31 mile from present TL). Don't look for much change.
MD	Baltimore; WBFF, ch. 45; granted MP to reduce ERP from 3925 kW max to 1292 kW max; 1238' AAT/1222' AG/1591' ASL (342° higher ASL); TL 0.24 mile NNW of the intersection of Hooper Avenue and 41st Street, Baltimore; coordinates 39°20'10"/76°38'59" (Az. 59°, 6.56 miles from present TL); BT CR (presently BT HOR). No significant change in coverage or signal strength should be evident.
MO	Columbia; KOMU-TV, ch. 8; granted CP to raise ERP from 288 kW to 316 kW max; 793' AAT/738' AG/1575' ASL (37° lower); same TL (6.2 miles southeast of Columbia).

SC	Greenville; WNTV, ch. 29; granted CP to raise ERP to 5000 kW max (presently 339 kW according to Television Digest, but data base from Larry Fuss has 1142 kW); 1287' AAT/262' AG/2297' ASL (to be raised 116°); same TL. Power boost and antenna height increase should increase DX along the Atlantic coast.
TX	Rosenberg; KXLN-TV, ch. 45; granted MP to change ERP to 2173 kW max. This station has been on the air for nearly two years and has not yet received a license; the previous MP called for 2500 kW max, which I assume is its present output. No change in antenna height or TL.
WY	Rock Springs; KGWR-TV, ch. 13; granted CP to raise ERP substantially from 6.03 kW to 210 kW max; 1708' AAT/192' AG/8792' ASL (2166° higher ASL); TL Aspen Mountain, 12 miles SSE of Rock Springs, coordinates 41°26'33"/109°06'28" (Az. 160°, or SSE, 11.36 miles from present TL in Rock Springs. Too bad there isn't much DX in the Rockies.

ST CH	CALLS	CITY
CA 57	120	933
CA 25	41.5	2362
FL 12	316	445
IN 29	3090	774
IA 61	1460	1304
TX 21	400	648
TX 42	131	420

CALL LETTER APPLICATIONS: NEW TELEVISION STATIONS

ST CH	CALLS	CITY/APPLICANT
GA 21	WBSG-TV	Brunswick; Coastal Com Inc.

CALL LETTER APPLICATIONS: EXISTING STATIONS

ST CH	CALLS	CITY/APPLICANT
OR 22	KHSP	Salem; KBSP-TV

CALL LETTER GRANTS: NEW STATIONS

ST CH	CALLS	CITY/APPLICANT
NC 8	WFXI	Morehead City; Local Television Associates Inc.
PA 60	WBPH-TV	Bethlehem; Sunshine Family Television

NEW STATIONS ON THE AIR

AZ	Kingman; KNQH-TV, ch. 6; went on the air 2/26/1988; 100 kW max ERP; 1920' AAT/75' AG/4495' ASL; TL Black Mountain, appr. 1 mile ENE of Oatman AZ; coordinates 35°05'57"/114°21'56"; HOR; independent station; address: Grand Canyon Television Company Inc., 2201 N. Vickey Drive, Flagstaff AZ 86001.
KS	Salina; KAAS-TV, ch. 18+, went on the air 4/3/1988; 612 kW max ERP; 1040' AAT/886' AG/2367 ASL; TL Ottawa County, Az. 282° from Manchester; coordinates 39°06'16"/97°23'15"; DA BT HOR; PBS affiliate, satellite of KSAS-TV, ch. 24, Wichita KS; address: Channel 24 Ltd., 316 North West Street, Wichita KS 67203.
MN	Brainerd; KAWB, ch. 22 went on the air 3/1/1988; 212 kW max ERP; 745' AAT/648' AG/2020' ASL; TL east of Route 1, 6.1 miles north of Route 20, Pilgrim MN; coordinates 46°25'21"/94°27'41"; BT HOR; PBS affiliate, satellite of KAME, ch. 9, Bemidji MN; address: Northern Minnesota Public Television Inc., RR 2, Box 279D, Prequot Lakes MN 56472.
OH	Mansfield; WCOM, ch. 68-, went on the air 2/29/1988; 2500 kW max ERP; 1721' AAT/1576' AG/2916' ASL; TL 1.6 miles SSE of intersection of Rte 95 and Divilbiss Road, 1.95 miles SW of Butler OH; coordinates 40°33'21"/82°26'41"; DA BT HOR; independent station; address: Com III TV Inc., 1201 Olentangy River Road, Columbus OH 43212.

FORUM

The following is the remainder of the European list sent by Hans v.d. Heijden:

SYSTEM D

Ch.12	(vis=49.75 MHz; aur=56.25 MHz)
TCH CST	200 Praha
	100 Ostrava
POL TP	120 Bydgoszcz
	35 Siedlce
HNG MTV	50 Nagykanizsa
	150 Budapest
Ch.22	(vis=59.25 MHz; aur=65.75 MHz)
TCH CST	100 C.Budejovice
	150 Bratislava
POL TP	50 Pilis/Maloc
	90 Warszawa
HNG MTV	60 Pecs
ROU TVR	15 Turnu Severin
	100 Bucarest
COLR3	(vis=77.25 MHz; aur=83.75 MHz)
POL TP	200 Zielona Gora

ROU TVR 100 Kielce
120 Oradea
15 Semicnic
15 Dobrogea

Ch.R4 (vis=85.25 mHz; aur=91.75 mHz)

TCH CST 10 Jesenik

HNG MTV 80 Tokaj

ROU TVR 100 Sucava

50 Bucuresti

Ch.R5 (vis=93.25 mHz; aur=99.75 mHz)

TCH CST 60 Poprad

POL TP 100 Suwalski

ROU TVR 50 Georgieni

50 Birrlad

BUL BT 100 Shumen

KERMIT REID (College Park GA) sent an article from the 4/29 Atlanta Constitution about Georgia Public

Television station WCES-TV, ch.20, Wrens GA.

"On Monday, GPTV begins dismantling its tower in Wrens,

Ga., leaving viewers in 15 east-central Georgia

counties served by Augusta's WCES without public

broadcasting for the three weeks it takes to install

equipment that will make it the most powerful station

in the Southeast. The state-operated station is the

first in the world to install transmitting equipment

that uses spinoff [SDI] technology that will produce a

signal 10 times stronger while using 40 percent less

power than the old technology. By increasing capacity

from 400,000 watts to 5 million watts, GPTV deputy

director Frank Bugg said, WCES also will become the

most powerful public broadcasting station in the

country. The 23-year-old station's 1,100-square-mile

reach will be expanded by about 2,000 square miles,

and the signal received by an estimated 333,895

viewers will be clearer. The 'fringe'-quality signal

that has been received by residents of Augusta (about

30 miles from the tower) will be 'city' grade for the

first time, Bugg said. Making the conversion will be a

team including 10 GPTV engineers and two representa-

tives of Comark Corp., the Pennsylvania company that

sold the klystrode equipment to GPTV...." "If all works

as expected, all six UHF transmitters in the state

system are scheduled for Klystrode upgrading (begin-

ning with the Albany/Pelham station in September).

Utilizing technology used in beam-particle weapons that

are part of the Strategic Defense Initiative, magnets

focus the beam and control the power of the

klystrode system."

JOHN COMBS (Jacksonville FL) writes, "I called the

Glorious Church of God in Christ offices in Tampa to

inquire about WRES-18, which you reported as on, but

which I've not seen. They said that they no longer

had anything to do with the station, and that Brevard

Community College in Cocoa has the permit now." Hmmm... since when are CPs bought and sold?" "Meanwhile, Greg

Coniglio saw WRES-18 while vacationing in Myrtle Beach

in April!" I was surprised myself some years ago when

I saw an ad in Broadcasting for a LPTV CP for sale.

Evidently the FCC allows some sales under certain

circumstances, like if the licensee is going out of

business. But it makes sure people aren't obtaining

permits for the purpose of selling them for profit.

"He also said WCEU-15, another station that has

eluded me. A telephone inquiry revealed that they are

only on 3 days a week, from 1500-1700! That's it! 6

whole hours of programming a week! The person I spoke

to said they have plans to expand that schedule."

Channel 64 in Providence RI was like that for some

time. They had planned to start up as an STV station,

but STV died out before they got on, so they played a few Three Stooges cartoons each day for several weeks at low power. It could be that the owners are still negotiating for syndicated programs, or are selling out.

"WYHS-69 in Hollywood is due on sometime in June. They are apparently owned by the same people as WBHS 50 Tampa, and will also be an HSN affiliate. (Gee! Imagine! Shopping on TV! What a NOVEL idea!)

"And finally, WNPL-46 Naples has set a new target date of late summer. The person I spoke to said it would be at least that long before transmission began because 'we've got a big tower to build!' Wonder if that means they haven't started the tower yet. How long does it take to erect your basic TV tower these days?" About 24 months. Twenty months to find a place and get the money, and four months to put it together.

ERIC S. BUENEMAN (Hazelwood MO) sent me a copy of the first edition of his St. Louis Radio-TV List (Spring, 1988), in which he took nine lines of text to attempt to clarify a suspected mistake in the NATVDB. "There has been some confusion about the call letters of Channel 4. The Worldwide TV-FM DX Association has this listed as KMOV, which is incorrect. Viacom Broadcasting of Missouri, when it took over ownership of Channel 4 from CBS, Incorporated (KMOV/KHTR), originally wanted to change calls from KMOV-TV to KMOV, but changed it's (sic) mind and decided to keep the '-TV' suffix, thus KMOV-TV became KMOV-TV on June 18, 1986, so KMOV-TV is the correct call, not KMOV as WIFDA has erroneously listed. Proof: video station I.D.s."

Tom Yingling's Logos Run column on p.5 of the 5/88 VUD confirms the use of the "-TV" suffix in their identification, as does the SRDS Spot Television Data book. But more reliable references such as the 1988 Television Factbook, the 1986 issues of Television Digest reporting the callsign change, and the database list of Broadcast Data Services (division of Moffet, Larson & Johnson, Inc.) all agree that the callsign is officially KMOV, regardless of what they are calling themselves. I'm not sure how many, if any, of the readers of his list have access to the NATVDB, but I bet quite a few of them have access to TV Guide and local newspaper television listings, which are notorious for consistently failing to include the "-TV" suffix, as well as often identifying a station with the wrong city. Maybe you should spend a few pages correcting them.

From **GREG CONIGLIO** (Clarence NY): "While on vacation over Easter, I was able to DX, and pick up some TV Guides. According to the West Virginia Edition, WVAH ch. 23 in Charleston moved to channel 11 on Monday April 11. Promos for this change were also heard on local radio stations. It also lists WBOY-12 Clarksburg as (NBC,ABC), and WDVV-5 Weston as (CBS,ABC). We drove by their tower, (WDTV) and all I saw was the CBS logo. The only translator it mentions is W57AG, which broadcasts WPBY-33. It refers to it as a 'satellite'.

A friend went to Phoenix, Arizona, and sent me back a TV Guide and something called The Arizona Republic (Television). The 'Broadcast stations' section of the TV Guide lists KUSK Prescott on channel 27, but adds:

"Viewers in Northern Arizona can receive KUSK's programs over the air on channel 7". Xlators for 3.5, 10 Phoenix, and 8 Tempe are listed. All of them are in the Translator Guide except a '36 Prescott for KTVP-10. It's not 36-Clarksdale as that is listed separately, as 'Verde Valley' (Unless by saying 36 Prescott and

Verde Valley, it means that one station serves both areas). In the Arizona Republic Guide, there is listing for channel 39 Phoenix. No call letters, just 'ACTS'. No listing for this in TV Guide. It has 27 and 7 for KUSK also; it has a channel 52 Univision in Tucson, and it has TBN for KPAZ-21, not Ind like in TV Guide. However, KNXV-15 is Fox according to TV Guide, Ind to Republic.

"While in South Carolina, I noted a strong opening to Florida. Noted was WCEU-15 on air, with PBS (as in tvdb). I also noted a translator of WESH-2 on channel 16. Where is this? At the time, the Central Florida area was in loud. I also noted an unid 50 with ads for Q-105 (Tampa), music videos, and later Home Shopping. Did someone grab the 50z assignment to Tampa? I also heard an ad on a Jacksonville radio station about network swaps in that city. I believe the changeover date was given as April 4th (I'm not sure, though)." What you got was WBHS, channel 50 in Tampa, on the air for just over a month. WCEU-15 had been on for only two months.

GEORGE MILEON (Lynn MA) makes a few observations from his area: "channel 46 out of Norwell Mass. (WHRC-wbf) has greatly improved its signal. It is as clear as all the Boston stations and its ID claims it is now serving Greater Boston. Mostly ethnic shows & movies. Channel 46 improved its signal on April 26, 1988." Roy Barstow confirms; see below.

"Channel 60 in Merrimack, N.H. (WGOT-wbf) is now on the air. Extremely weak station which I can just barely get. It's still a tad stronger than channel 50 from Derry N.H. 60 shows old junk & movies. (WGOT is licensed for only 1403 kw max ERP. -wbf)

"Channel 60 and 46 now show the same movie at night, something called MOVIE GREATS. I'm not sure of their affiliation, if there is one." They're independent. That Movie Greats sounds like a syndicated program using movies instead of sitcoms and game shows. See Roy Barstow's comments on WCWX-58 below.

"Channel 62 (WMFP, Lawrence MA-wbf) is still on the air & is still very weak with its shopper network. Channel 64 (WNAC-TV Providence RI-wbf) has been operating at reduced power for the last few days." It has a cp to reduce ERP from 5000 kw max/4060 kw hor to 3673 kw max; that might be a permanent reduction you observed.

"Channel 21 (WNHT, Concord NH-wbf) comes in halfway decent with a directional antenna. It is now CBS affiliated & it appears to beam more signal south than the other stations in that area. Channel 19, the low power Spanish station in Boston is still on."

ROY BARSTOW (Teaticket MA) makes further observations in the New England area in a letter dated 4/28. He noticed WHRC-46 Norwell MA in steady with color on the last few nights. "Must be around 1,000 kw now." He also saw the Movie Greats network. He saw a video identification that said "Norwell/Boston," but the audio identified as "This is WHRC Channel 46 Boston." Movie until 12:07 a.m., followed by Hit Video USA. s/off around 2 a.m.

"49 WEDW Bridgeport CT does come in here a little better. 40 WGGB Springfield MA seems to come in here more often. 38 WOLF Scranton PA also makes it in more often, mostly CCI on Boston. 58 WCWX, MA also Movie Greats Network, same movies as 46 WHRC, MA."

On March 7 he observed a ch. 44 lptv in Hicksville NY, "running a scroll, mentioned new station & WEVD radio. Anything on this?" I don't have any current data on lptvs or translators. "Also noted ch. 53 AVN

(America's Value Network-wbf) is this old WWAC NJ?" I have yet to see any trace of WWAC since they shut down a few years ago. Must be a LPTV.

JOHN M. JEFFERSON (Pleasanton CA) reports, "Contrary to the report in the March VUD, KFTL-64 Stockton has yet to begin regular broadcasting. They've been seen testing (with public-interest programming) as recently as March, with a flawless signal here, but that's it."

"Still no sign of KSMS-67 Salinas, so they're still at low power. Also no sign of KREQ-23 Arcata. So I suppose they're operating at the 100kw level, not the 1 meg level they had a cp for. Still without phone listings are KCAH-25 Watsonville, KWEW-27 Coalinga, KCEO-28 Oroville, KCMY-29 Sacramento, KBCP-46 Paradise, and KGGB-62 Santa Rosa. Like molasses in January, they move forward!"

Also from California is **W.R. MCINTOSH** (Granada Hills CA) with several articles from the *Los Angeles Times*. From the 4/19 *Times*, an article on our favorite television network, HSN. "Home Shopping Network filed a lawsuit Monday accusing Beverly Hills 'junk bond' impresario Michael M. Milken and the investment bank of Drexel Burnham Lambert of fraudulently manipulating the price of the television retail channel's stock." "According to the suit, Drexel and Milken diverted bonds issued by Home Shopping from long-term investors to professional speculators and Drexel clients, a so-called junk bond network. The speculators and Drexel then sought to increase the value of the bonds by driving down the price of the company's stock, the suit says. Home Shopping, battered by a plummeting stock price in recent months, said the scheme damaged its financial stability and drove away long-term investors."

"In 1985, Home Shopping Network pioneered the concept of buying merchandise by telephone from television offerings. Its stock was highly touted when the company went public in 1986. After reaching a high of \$47 a share early last year, the stock began to drop as growth failed to meet expectations and other problems arose, including increased competition. The stock dipped as low as \$3.50 earlier this year.... the suit claims the lows this year are a result of Drexel's manipulations." Does the FCC policy of deregulation and allowing the marketplace to influence broadcasters actually work? The 3/17 *Los Angeles Times* reports on how that applies to children's television. "A House subcommittee begins hearing proposals today to return children's television to the protective custody of government regulation, reversing the controversial view of the Reagan-era Federal Communications Commission that kids' TV is best left to the open marketplace." "Just a year ago, it seemed that children's television was given over to the deal makers and toy manufacturers, who had found in 'kidvid' a lucrative marketplace for cartoon shows that were based on toys. But now, children's television activists—long frustrated in the era of deregulation—can claim important victories in court, where a federal panel instructed the FCC to reconsider its deregulation of children's TV, and on Capitol Hill, where there is new enthusiasm for taking on the broadcast industry.

"The most significant change, though, has come from children themselves, who have switched from the weekday-afternoon shows based on superhero toys and high-tech gadgets to sitcom-style cartoons." "In short, their changing viewing habits have turned the multibillion-dollar children's programming industry on its ear. Just when toy-based cartoons were most

plentiful, late in 1986, ratings for children's television began a sudden plummet, dropping by nearly one-third. Broadcasters see this as evidence that the FCC's faith in the open marketplace was justified. Children's TV activists think contend that regulation is needed anyway. (sic)"

"The debate over the commercialization of kidvid began with the FCC decision in 1984 to throw children's television into the free - for - all of the open marketplace. The commission, without discussion, abandoned its longstanding guidelines limiting commercial minutes in children's programs, opening the airwaves to shows featuring toys and other children's products that once risked regulatory challenge. At the same time, scores of new independent stations in need of inexpensive programs were cropping up. Toy companies filled the void with costly first-run animation at bargain rates - sometimes for nothing - through deals that allowed them to retain some advertising time. In some instances, stations got a share of the profits from the toy sales.

"The success of early toy-based shows such as 'He-Man and the Masters of the Universe' and 'Transformers' spawned dozens of imitators, to the dismay of activists, whose campaign to curb the commercialization of the airwaves was rebuffed at every turn. Then, last June, the U.S. Appeals Court in Washington, ruling on a request by [Action for Children's Television], ordered the FCC to justify the deregulation of children's TV and to hold an inquiry, which is currently ongoing, into the commercialization issue. Shortly thereafter, the turnaround was hastened. In September, the same appeals court agreed with the Los Angeles-based National Assn. for Better Broadcasting that the 'He-Man' show was sufficiently commercial to require KCOP Channel 13 to air a notice saying that the show is paid for and furnished by Mattel."

The 4/10 Times reports that the Los Angeles County Office of Education is launching its own satellite television network, the Educational Television Network, which was to broadcast its first program on May 4. Programming would be at no charge to local school districts, who will have to install their own satellite dish and equipment. The article didn't say which satellite the network would be on.

From the 3/15 Times: "At 8 tonight, CBS will begin airing a new comedy called 'Trial and Error,' the story of two Latino friends And also beginning tonight, the Spanish-speaking communities in Los Angeles and six other major American cities will get a chance to enjoy the show. Through the cooperation of CBS, Columbia Pictures Television and Spanish-language radio stations in each city, 'Trial and Error' will become the first network situation comedy to be simulcast in Spanish. Participating radio stations include KTNQ-AM (1020) in Los Angeles as well as stations in Houston, Chicago, San Antonio, Albuquerque, Tampa and Tucson, all cities with large Spanish-speaking populations." "Despite the availability of a Spanish sound track, radio stations in New York City, Sacramento and Miami have refused to participate in the simulcast for one reason: In accordance with a directive from CBS, none of the show's commercials will be translated from English into Spanish."

FRED McCORMACK (Fargo ND) sent an article from the 4/11 electronic Media giving background on the channel change of WVAH in Charleston WV: "A UHF station in Charleston, W.Va., is moving to the VHF dial today, marking only the second time that a TV station has

ever made such a move. Independent WVAH-TV is moving from Channel 23 on UHF to Channel 11 on VHF because of a [FCC] ruling several years ago that created new VHF 'drop-in' channels in four markets." "Last November, independent KSTU-TV in Salt Lake City moved from Channel 20 to Channel 13 to become the first TV station to switch broadcast bands. As a result of that move, ratings for some dayparts on KSTU, a Fox Television affiliate, have doubled, said Milt Jouflas, KSTU vice president and general manager." "The FCC's Mr. [Gordon] Godfrey said the commission established VHF drop-in channels because 'there seemed to be a demand for it.' The four market chosen for drop-ins share two important characteristics: nearby mountains were limiting the potential coverage of UHF TV stations; and there was room on the VHF dial to accomodate a new station in each market. The UHF stations that won VHF channels in Salt Lake City and Charleston didn't automatically win the right to move. Both stations had to compete with a handful of applicants competing for each market's drop-in channel." "In Salt Lake City, KSTU moved from Channel 20 to Channel 13 because the station's current owner, Mountain West Television, owned a construction permit for Channel 13. Instead of building Channel 13 from scratch, however, Mountain West bought Channel 20 last year and moved its programming to Channel 13.... In Knoxville, Tenn., WTVK-TV, Channel 26, is the leading contender to occupy Channel 8 there. The NBC affiliate is awaiting approval from the FCC to make the move...." Lastly, a few articles from RALPH STROBEL (Muncie IN). The 4/12 Indianapolis Star reports that WXIN, ch. 59 in Indianapolis, is up for sale. It is a Fox affiliate, presently owned by Atlin Communications, which also owns WATL in Atlanta, also for sale. Atlin hopes to sell the stations in order to pay off some debts.

The 4/10 Muncie Evening Press reports that financially troubled WTVK in Indianapolis has been sold by Tel-Am Corporation to Capitol Broadcasting Co., of Raleigh NC. Tel-Am has gone bankrupt.

Local news in the Philadelphia PA area: WTAF-TV, channel 29, will become WTXF (-TV?) as of June 1. WTGI-TV, ch. 61 in Wilmington DE has restricted its home marketing programs to late nights, and is playing a lot of Italian language programs.

VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

QSL CORNER and LOGOs RUN

Thomas J. Yingling, Jr., KA3T??, 221 Pinewood Road, Baltimore, MD 21222-2345

NB	CBAF26	88.5	Moncton	Blue CBC QSL Cards send for all 3 stations for 37 cent stamp, send 1 card for each station, 3 cards rec'd from address of Box 950, Moncton, NB E1C 8N8
PEI	CBAF29	88.1	Charlottetown	All 3 cards were signed by C. Renault in 6 months. (Ross)
NS	CBAF27	88.7	New Glasgow	Marystown, Box 2020, St. John's, NF A1C 5S2. Letter from Ken Hauschildt, Dir. of Eng. in 6 months. (Ross)
NFLD	CIOZ	96.3	Johnstown	P. O. Box 19, zip 15907-0019. Letter in 3 weeks from Timothy Lee Crosby, GM (Rosenberg)
PA	WFAT	19	Grand Rapids	3117 Plaza Dr. N. E. zip 49505. Letter in 3 weeks from Monica M. Fatum Public Relations (Rosenberg)
MI	WXMI	17	Kalamazoo	201 Manitou Grand Valley State College, Allendale, MI zip 49401. Letter back in 3 weeks from Brad Morgan, Asst. GM (Rosenberg)
MI	WGUK	52	Dayton	45 Broadcast Plaza, zip 45408. Letter in 3 weeks (again!) from Dave Miller, GM (Rosenberg)
OH	WRGT	45	Fort Wayne	3707 Hilligas Rd., zip 46501. Letter in 4 weeks this time, from Robert Fairchild, CE. Send coverage map, & FOX Buttons. (Rosenberg)
IN	WFFT	55	Newark	10077 Jacksontown Rd., Thordville, OH 43076. Letter in 2 months from Craig Stevenson, CE. (Rosenberg)
OH	WSFJ	51	El Salvador	"Teleprensa" channel 2 San Salvador, Pasaje Istwania No. 262, Col. Escalon, San Salvador, El Salvador. Letter & bumper-stickers in 5 weeks from Guillermo Deleon, Director. In his English letter (and I spend 2 hours on my Spanish report, hi) says that they were "impressed" by the report. (Combs)
MI	WCML	6	Alpena	Public Broadcast Center, 3965 Broomefield Rd., Mt. Pleasant, MI 48859. Attractive personal letter received in 20 days. Letter was signed by Randy Kapenga, Dir. of Tech. Services. WCML as stated on verie, & not WCMA as stated in WFTA NATDB. (Wheeler)
NY	WNEQ	23	Buffalo	184 Barton St. P. O. Box 1263, zip 14240. Never received original report, but did qsl after follow-up report was send. Reply in 8 days then. Signer was Jonathan E. Harrington, CE. (Wheeler)
LA	WBSN	89.1	New Orleans	3939 Gentilly Blvd., zip 70126. Letter from Steve St. Johns, Asst. Pro. Dir. mentioning antenna on WDSU-TV 6 tower. (Elving)
MD	WSCL	89.5	Salisbury	P. O. Box 2586, zip 21801. Form letter with WSCL FM Public Radio handwritten PS thanking me for my informative letter. (Holbrook)
MD	WESM	91.3	Princess Anne	University of Maryland, Eastern Shore Campus, zip 21853 Lette from Gary F. Flanigan GM. (Holbrook)
IA	KATF	92.9	Dubuque	8th & Bluff, zip 52001. Letter bumper sticker & T-Shirt from John Hafkampeyer, sent short note of qsl. (Elving)
MI	WONT	98.3	Ontagon	540 River Rd., 49853. Letter from John W. Woolcott, Sales Rep. Also send 2 bumper stickers. (Elving)
MN	KCRB	88.5	Bemidji	Bemidji, Birch Hall, Bemidji State University, zip 56601. Friendly, handwritten letter from Eileen Stankovich, Manager verifying my reception. They said the SCA is used for State Services for the Blind. (Elving)
SC	WVFG	91.1	Gaffney	P. O. Box 578, zip 29342. Letter from Scott Curtis, Mgr. "Yes, you're the only person to receive us from such a great distance. You can imagine my astonishment when I read your letter and double checked your postmark". (Elving)
TX	KQQK	106.5	Galveston	5959 W. Loop, 4th floor, Bellaire, TX 77401. Letter from Sandra E Scheid, Chief Financial Officer, penned a note to a copy of my report 3 1/2 months after I wrote. The sca is Multicomm data at 67khz. and tone 8 telemetry at 92 khz. (Elving)
UT	KUFM	94.5	Logan	P. O. Box 267, zip 84231-0267. Letter from Friend S. Meller, CE says they transmit from "Little Mountain", 12 miles NW from Logan. (Elving)
WA	KREM	2	Spokane	8037, zip 99203. Hand-written letter from Jess Ortega, Chief Eng. after 1 follow-up letter. Send coverage-map. (Vingling)
NC	WUNP	36	Roanoke Rapids	University of N. Carolina, 910 Raleigh Rd., P. O. Box 3508, Chapel Hill, NC 27515-3508. Letter, coverage-map & bumper stickers for CPTU from Wayne Estabrooks, CE after 5 follow-up reports. (Vingling)
WI	WHUT	36	Milwaukee	1015 N. 6th St., zip 53203. Letter from Thomas H. Heinze, Acting Manager Eng. Services, in 3 weeks. (Vingling)
IL	WVCC	20	Chicago	7500 S. Pulaski, zip 60652. Letter & promo package from Don Rhodes CE, in 3 weeks. (Vingling)
IL	WICD	15	Champaign	P. O. Box 3750, 250 Country Fair Dr., zip 61821. Letter & coffee cup came by UPS from Ruthie A. Weatherall-Harper, Operations Secretary & P.R. Director in 1 month after 2 follow-up reports. (Vingling)

Well, another month of just QSL's. Next month back to the Logos of channels 7, 8 & 9. You may had noticed in my address part of a ham radio call. Well, I pass the Novice & Tech. test and waiting for my call-letters which should be about KA3T?? I will let you know next month what I got. 73's for now. Tom

F	E	A	T	U	R	E	S
F	E	A	T	U	R	E	S
F	E	A	T	U	R	E	S
F	E	A	T	U	R	E	S

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183

BOB SEYBOLD — TOP TV DXER IN MANY WAYS

Don't complain to Robert (Bob) Seybold that "too many regular stations prevent good DX reception." Even in the dead of winter, Bob receives 136 stations regularly -- this has not stopped him from logging 1,032 stations (900 verified) -- more than anyone else in the world! With the exception of three UHF stations in Delaware, New Jersey, and Illinois Bob has logged all stations VHF and UHF within 500 miles. Via skip Bob has picked up everything in the continental U. S. on channel 2 (well, actually he hasn't yet gotten one in Alaska).

Bob regularly receives four stations on each VHF channel, except five on channel 2 and three on channel 12. On UHF he normally gets stations on 49 channels through channel 81; including four stations each on channels 16, 19, 22, and 31.

What is the secret of Bob's remarkable success? Actually there are several. He started DXing in 1950 when he was 17. As the owner/operator of a television repair shop his entire adult life, he constantly has a TV on and the flexibility to DX whenever conditions are good. He has excellent equipment, and three DX locations -- primarily his shop, but also his home. When conditions are particularly unusual, he heads for the tops of nearby mountains.

It all began on Dad's 100-acre farm with a Taco low and high band yagis on a sixty foot mast turned by a pipe wrench, and a 17" Zenith in the barn. Starting at five in the morning, while milking the cows, he watched meteor scatter and early openings. Some of the first DX loggings were channel 2 skip from Houston and Denver and tropes from Cincinnati and Chicago. (Back then, Bob also did some AM DXing.) The next setup was a broadband VHF Winegard and a 12 bowtie UHF atop a 69 foot crankup tower.

At age 21 Bob started installing antennas professionally. This business expanded into the TV repair shop he still owns. Marriage at age 25 didn't change his DXing habits. Bob and Art Collins became close friends. During Art's summer vacations they set up a temporary antenna at an 1800 foot site. Shortly thereafter he set up a full installation at an abandoned house at 1850 feet using various antennas. Amplifiers did more harm than good because signals were so strong at this height. In the early days there were many open channels and Chicago was common on VHF at 425 miles. Milwaukee and Minneapolis were frequently logged on summer evenings. Eventually "locals" at 150 miles started interfering.

Through the years Bob developed "hilltop DXing" into a science. Using a portable set, small VHF antenna, four-bay UHF bowtie, and a ten-foot pole, he tried out many sites from 1800 to 2200 feet. All were good for Northern DX; some also favored the East, South, and West. Certain locations were good because they blocked stations in one directions while favoring another. Incidentally, Bob never did VHF DXing from the hills.

Most of Bob's DXing is done at his shop, 650 feet above sea level. His present (and best) setup includes a Fincos 7' parabolic with four bowties inside dish, and Channel Master 0063 antenna amp has very high gain and good back rejection. For VHF Bob uses the Channel Master Quantum series. His favorite set is a "hot" 1980 12" RCA (no ACI), though he uses three sets at a time when E skip is in. Zenith and Sony are good, but Bob says that RCA's digital sets are best. (Bob has three TVs at home; however, when DX hits Bob normally dashes for his shop five minutes away.)

Logging highlights through the years include PRF-3, Sao Paulo, Brazil, on May 17, 1957 (5,000+ miles); Alaska on channel 2; KERA-13, Texas, on April 12, 1971; channels 26 and 39 from Houston four months later (first day KVRL-26 was on air); numerous West Coast and Mexican double hop loggings; thrilling hurricane-related tropes from the South; WVUT-22 Vicinees, on a cold December day after years of trying; and his first Iowa opening.

One skip station promo urged viewers to watch a movie at 3:30 the next day -- skip obliged and let Bob do just that! June 11, 1985 was the best skip day with 70 stations and the highest MUF -- channel 8. Of course, Bob's best opening in 37 years of DXing was the 1986 Thanksgiving feast (400 to 600 stations) with Texas and Oklahoma UHF loggings to 1,300 miles.

Bob credits a number of factors to his success including knowing when to watch; observing weather, E skip, and lunar cycles; location; good equipment; and distance of 45+ miles from locals. Amazingly, Bob feels that he never had a "super installation" and wonders what his results would have been with superior equipment!

BOB SEYBOLD - DXer of the MONTH (continued)

Bob is not a "lone wolf" who limits his DXing interest to what appears on his TV screen; he has always been active in organized DXing as a hobby. Along with Bob Cooper and Ron Denuff, he helped found in 1955 the original TV DX club, the American Ionospheric Propagation Association, serving in all capacities including Eastern DX Editor in the bulletin, President, and Secretary. Bob has attended virtually all AIPA and WTFDA annual conventions.

There are a number of long time friends and DXers Bob would like to give credit to: Bill Draeb, Bill Eckberg, Dave Nieman, Bill Thompson, Mike Lapski, Bruce Elving, Jeff Kadet, Hank Holbrook, John Broomall, Bob Cooper (who got Bob started in DXing), and many others. Bob looks forward to renewing friendships and making new acquaintances at the annual conventions.

Even though there are fewer and fewer unlogged stations, Bob states that his interest in TV DX will never die. Since tropes openings from New York to the Southeast are rare, one of Bob's goals is to log tropes from Florida (he already has UHF loggings from South Carolina and Georgia). Bob will concentrate more in the future on translators, new stations on the air, and FM DXing (his FM totals are "only" 1114, "it could have been 1500 if active.") Congratulations to Bob Seybold, a truly outstanding person and DXer!

WHAT IS THE MOST UNUSUAL AND PROFITABLE WAY TO INCREASE YOUR TV DX TOTALS? Start your own TV station, of course! The FCC has announced a LPTV window for June 15-30 and I plan personally to file an application for the area I live which is 40 miles north of downtown Atlanta. If I am successful, my station may get in Guiness Book of World Records as the lowest budget station in the country.

Would you like to be involved as a investor, consultant, supplier, or employee of a station owned by a fellow DXer? If so, write or call me. No promises; the application might be denied. However, this might present an exciting opportunity for you. Also, "Cherokee County's Community Channel" may be the only TV station in the world with a regular program on TV-FM DX!

HABLO MUY POCO ESPANOL ("I speak very little Spanish.") Bill Thompson sent two recent copies of a Spanish DX magazine. It is quite high quality with a multi-color cover, art and photos throughout, typeset format, slick paper, and even ads. Even though I could not read it, it appeared to be very interesting. If you are proficient in Spanish, and are interested, please contact me about these two copies and Bill Thompson for future exchange copies. Incidentally, WFTDA and VUD are listed on a page devoted to DX clubs/magazines around the world.

GEORGIA STATION NEWS - WAWA-14, Rome, Georgia, signed on February 29 with 1.4 million watts from atop Mount Altos, 820 HAAT, according to owner, Woody Sudbrink, Sudbrink Broadcasting. (These specifications are changes from those listed in the CP.) Call was changed because WZGA was considered "confusingly similar" to Rome radio station, WRGA. WAWA was chosen as an "attention getting call."

Station operates from 6:30 a.m. to after midnight. Sudbrink plans to establish a LP affiliate in nearby Dalton. Mr. Sudbrink indicated that new independent UHF stations need to purchase used equipment and with low overhead/tight cost control if they expect to be around for the future "golden days of UHF."

A construction permit has just been issued for channel 23, Dalton, Georgia, to Lowell Jackson, Dalton Family Television. Plans are underway to request a change in tower site to improve coverage area.

TV GUIDE currently does not list low power stations anywhere, but this policy is constantly being evaluated for possible exceptions. Also, a number of full-power stations are omitted if viewer interest is limited, for example, Home Shopping Network.

CHATTANOOGA LPTV W67BD, currently off the air, has changed ownership. The new owner, Mr. Godgiven, is moving the station to Mission Ridge -- a better location to cover Chattanooga but a poorer site for DXers, according to WFTDA member Les Rayburn.

TRINITY BROADCASTING NETWORK now has 100 stations in the United States including low-power "satellators" which originate no programs and only serve as a relay for singals from TBN's satellite. TBN's newest station is on channel 36 in Nashville, Tennessee.

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Actual Page Sample

Alabama

STATUS	CALLS	FREQ	STATION LOCATION	HORZ-POWER-VERT	ANT HGT	STATION ADDRESS
	W12B	94.3	Albertville	3000 3000	279	Box 577, 36310
	WQSB	105.1	Albertville	100000 100000	308	Box 190
	WSTH-FM	106.1	Alexander City	100000 100000	981	Box 72, 36010
	WKYD-FM	98.1	Andalusia	100000 100000	259	Box 8, 36420
	WAAC-FM	104.7	Andalusia	3000 3000	228	26420
	WHMA-FM	100.5	Annisos	100000 100000	771	1330 Noble St., 36202
	WCQ-Q-FM	92.7	Arab	2250 2250	351	Box 237, 35016
	WASZ	95.3	Adrian	1000 1000	541	Box 395, 36251

To order your copy of the FM Address Book, Mail this form along with US\$8.95 (Canada US\$9.45) to: NRC Publications Center, P.O. Box 164, Mannsville, NY 13661.

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STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Special buy from Zenith distributor!!! Zenith #973-227 channel 14 to 70 UHF corner reflector yagis--same as the Delhi sharpshooter series of yagis (made by Delhi!!!!), high gain, narrow pattern, approximately 14 dB gain flat, suggested list for dealer \$38.96, selling for \$24.95 + \$6.00 U.P.S.
Rich Wertman - 6150 Crosby Road - Lockport NY 14094 (716) 433-0805

WANTED - I would also like to swap stickers and tapes with someone in our club and who is within North America.
Geoff Wolfe - 5 Poole Street - Burwood, VIC. 3125 - AUSTRALIA

FOR SALE - Antennacraft model P-7 7 foot UHF parabolic dish antennas \$66.95 + \$9.00 U.P.S. P-5 5 foot dishes \$46.95 + \$6.00 U.P.S. RG-6U coaxial cable 15 cents a foot + \$2.00 shipping up to 200 foot, or 1000 foot spool \$94.95 + \$10.00 U.P.S. shipping!!! F-56 cable connectors (fits RG-6U cable) 2 / 75 cents + \$1.00 U.P.S.
Rich Wertman - 6150 Crosby Road - Lockport NY 14094 (716) 433-0805

FOR SALE - 1984 World Radio TV Handbook, rarely used, excellent condition. \$10 postpaid.
Paul Mount - 471 Emerson Avenue - Teaneck NJ 07666-2727

FOR SALE - Zenith is discontinuing their VHF line of Chromatennas series; I can still get most models though, sizes from 78 inch to 196 inch booms (very similar to Delhi's paralogs--actually made by Delhi!!) Truck shipping only through approximately \$40.00. Get a bunch of DXers together and save by splitting the cost and I'll get the total figured up! Call or write me if interested.
Rich Wertman - 6150 Crosby Road - Lockport NY 14094 (716) 433-0805

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WFTDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

I AM PUTTING TOGETHER A LIST OF PEOPLE WHO WANT TO PARTICIPATE IN AN FM & TV E-SKIP / TROPO ALERT NETWORK FOR THE 1988 SEASON.

WHILE THE CORE OF THIS NETWORK WILL BE DXERS IN THE NYC/NJ AREA,

HOBBIISTS FROM AROUND THE COUNTRY ARE INVITED TO PARTICIPATE.

BY BEING LISTED IN THIS NETWORK, YOU AGREE TO CALL SOMEONE ON THE LIST WHO MIGHT BENEFIT FROM THE CONDITIONS YOU'VE DETECTED ON THE TV OR RADIO; IF YOU'RE THE RECIPIENT OF SUCH A CALL, YOU AGREE TO CALL SOMEONE ELSE WHO MIGHT BE ABLE TO TAKE ADVANTAGE OF THE CONDITIONS AS WELL.

A COPY OF THE LIST WILL BE SENT TO EACH PERSON ON IT. IF YOU DON'T WISH TO HAVE YOUR PHONE NUMBER LISTED ON THE PAGE THAT MAY BE PUBLISHED IN A NATIONWIDE RADIO CLUB BULLETIN, BE SURE TO SAY SO.

WHEN SENDING INFORMATION, PLEASE INDICATE EACH PHONE NUMBER AND THE TIMES OF DAY YOU CAN BE REACHED AT THAT NUMBER. IT MAY BE USEFUL TO INDICATE IF YOU HAVE AN ANSWERING MACHINE AT ANY OF THE LISTED NUMBERS. ALSO INCLUDE YOUR ADDRESS SO THAT YOU CAN RECEIVE A COPY OF THE LIST. SEND IN YOUR INFO AS SOON AS POSSIBLE...THANKS.

Paul Mount
471 Emerson Ave.
Teaneck, NJ 07666-2727
201 836 1682 (+Ans. mach.)